



CITY OF SOMERVILLE

MASSACHUSETTS

ANNUAL REPORTS

1929



SOMERVILLE PRINTING CO.
1930

REPORT OF THE CITY AUDITOR

Office of the City Auditor,

January 31, 1930.

To the Honorable, the Mayor, and the Board of Aldermen of the
City of Somerville.

Gentlemen :

In accordance with the requirements of Chapter 7, section 3 of the Revised Ordinances of 1929, I herewith submit a report of the expenditures and receipts during the year 1929, showing in detail the appropriations and expenditures and the receipts from each source of income. Also a statement of the funded debt and temporary loans, table relative to maturities and interest, a balance sheet showing the assets and liabilities at the close of the fiscal year and a statement of the treasurer's cash.

Respectfully submitted,

FRANCIS J. DALEY,

City Auditor

I hereby certify that the former City Auditor has verified the Treasurer's cash as of December 31, 1929, by actual count, according to records in this office and the amount on deposit in the banks, of the same date, has been verified by reconciliation.

The total cash balance December 31, 1929, was \$340,452.66, as follows:

Somerville National Bank	\$97,532 12
First National Bank	71,389 15
Atlantic National Bank	68,777 02
Somerville Trust Company, Benefits	15,003 16
Somerville Trust Company, Teachers	47,563 01
Highland Trust Company	27,119 77
Cash and checks in office	13,068 43
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	\$340,452 66

I further certify that the former City Auditor has examined the Trust and Investment Fund Securities in the hands of the City Treasurer, according to records in this office and found them to be correct, as follows:

Caroline G. Baker Fund, School	\$ 300 00
S. Newton Cutler School Fund	5,322 22
S. Newton Cutler Library Fund	1,064 45
Isaac Pitman Library Fund	5,827 08
Olive C. Cummings Fund, Poor	1,751.45
Frances A. Wilder Children's Fund, Library	100 00
Martha R. Hunt Fund, Library, Books	14,105 25
Martha R. Hunt Fund, Library, Art.....	1,299 77
Sarah Lorane Graves Fund, Library	400 00
Buffum Memorial Fund	1,000 00
Eunice M. Gilmore Fund	2,000 00
Sarah Winslow Fox Fund	401 38
Municipal Buildings Insurance Fund	20,990 07
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	\$54,561 67

BALANCE SHEET, DECEMBER 31, 1929

Revenue Accounts

Assets		Liabilities	
Case			
In Banks and Offices	\$181,850 95	Temporary Loans	\$800,000 00
Advance to Poor Dept.	100 00	Unexpended Balances:	
Advance, Soldiers' Benefits	100 00	Appropriations (Percent- enary)	2,000 00
		Income of Trust Funds	3,973 51
		Tailings	838 78
Accounts Receivable:	\$182,050 95	Revenue Reserved When Collected:	
Taxes 1929	791,986 40	Departmental Bills Receivable	40,004 43
Taxes 1928	618 41	Water Revenue	1,094 24
Special Assessments 1929	26,917 22	Special Assessments Reserved	15,411 78
Motor Vehicle excise 1929	31,264 98		
Committed Apportioned			
Assessments	231 29	Sale of Land	56,510 45
Committed Unapportioned		Tax Title Revenue	242 51
Assessments	4,122 17	Premium on Bonds	17,070 01
Interest Apportioned Assessments	201 92	Accrued Interest On Bonds	4,600 00
Interest Unapportioned Assessments	154 78	Apportioned Sewer Assessments, Deferred	1,062 50
Departmental Bills Receivable	40,004 43	Apportioned Sidewalk Assessments, Deferred	249 86
Comm. of Mass. Soldiers' Benefits, 1929	6,889 75	Apportioned Highway Betterment Assessments, Deferred	1,579 51
Water Department Accounts	1,094 24	Apportioned Highway Betterment, Interest Deferred....	26,277 80
		Apportioned Sidewalk Interest, Deferred	4,814 21
			151 00

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BALANCE SHEET—Continued

		34	48
Deferred Revenue:			
Apportioned Sewer Assessments, Not Due	249	86	
Apportioned sidewalk Assessments, Not Due	1,579	51	
Appointed Highway Bet- terment Assessments, Not Due	26,277	80	
Apportioned Highway, Sew- er and Sidewalk Interest, Not Due	4,999	69	
Tax Titles	17,149	16	
	953,741	61	
	<u>\$1,135,792</u>	<u>56</u>	
			\$1,135,792 56
Cash in Banks and Offices			
	\$158,601	71	
	<u>\$158,601</u>	<u>71</u>	
			\$158,601 71

Municipal Indebtedness

Net Bonded Debt

\$2,648,000 00

Loans within statutory limits

City Bonds \$36,000 00
City Hall Additions Bonds 102,000 00
Sewer Bonds 111,000 00
Highway Bonds 103,000 00
Bridge Bonds 20,000 00
Public Building Bonds 90,000 00
Schoolhouse Bonds 577,000 00
High School Bonds 1,109,000 00

\$2,148,000 00

Loans outside statutory limit:
Northern Traffic Artery ...

500,000 00

\$2,648,000 00

\$2,648,000 00

CITY AUDITOR

Trust and Other Invested Funds

Trust Funds:

School Funds \$5,401 38
Library Funds 23,414 35
Poor Funds 1,681 66
Other Invested Funds:
Municipal Buildings Insurance Fund 20,990 07

Investments:
Cash and Securities.....

\$51,487 46

\$51,487 46

CASH STATEMENT DECEMBER 31, 1929

REVENUE

Receipts

General:

Taxes	\$3,304,820 38
Motor Vehicle Excise Tax	149,672 83
Corporation, Bank, and Railway Tax....	169,667 43
Comm. of Mass., Income Tax.....	484,164 86
Licenses and Permits.....	16,111 06
Fines and Forfeits.....	14,683 59
State, Vocational Education.....	14,382 71
State, Smith-Hughes Fund	4,226 49
State, Outside Tuition	4,941 62
State, Continuation School	4,262 93
State, Americanization	3,076 62
County of Middlesex, Dog Licenses	2,717 80
Sarah Winslow Fox—Gift	401 38
Tax Titles Redeemed	1,954 71
Miscellaneous	585 17

 \$4,175,669 58

Special Assessments

71,125 58

Departmental:

General Government	9,038 04
Protection of persons and property.....	1,101 16
Health and Sanitation	8,290 74
Highways	7,879 27
Charities	60,737 68
Soldiers Benefits	6,720 50
Schools and School Buildings	23,069 86
Libraries	2,806 49
Bath and Bathhouses	938 25
Miscellaneous	210 16

 120,792 15

Water Department Accounts

414,084 77

Interest on Deposits, Taxes etc.

46,802 63

Temporary Loans

2,595,000, 00

Trust Fund Investment

5,000 00

Premium on Bonds

4,600 00

Accrued Interest on Bonds

1,062 50

Refunds

4,170 15

Total Receipts

 \$7,438,307 36

Balance at beginning of period.....

306,843 48

 \$7,745,150 84

CASH STATEMENT DECEMBER 31, 1929

Payments

Appropriations	\$3,990,213 70	
Temporary Loans	2,495,000 00	
Comm. of Mass., State Taxes	401,306 20	
County of Middlesex, Taxes	186,450 88	
Income of Trust Funds	7,249 04	
Trust Fund Investment	5,401 38	
Cash Advance, City Home	100 00	
Cash Advance, Police Department	300 00	
Cash Advance, Soldiers Benefits	100 00	
Cash Advance, School Department	200 00	
Tax Titles	178 76	
Tellers Overs and Shorts	51 67	
Refunds	4,223 26	
		<hr/>
Total Payments		\$7,090,774 89
Transfer to Non-Revenue		472,525 00
Balance on hand		181,850 95
		<hr/>
		\$7,745,150 84

CASH STATEMENT DECEMBER 31, 1929

Non-Revenue

Receipts

Northern Traffic Artery Loan	\$500,000 00	
Northern Traffic Artery:		
Assessments	577 95	
Interest	8 73	
Redemption of Tax Titles	3,950 61	
Construction Bills	266 63	
		<hr/>
Total Receipts		\$504,803 92
Transfer from Revenue		472,525 00
Balance at beginning of period.....		495,878 71
		<hr/>
		\$1,473,207 63

Payments

Appropriations	\$809,773 07	
Northern Traffic Artery:		
City Assessment	500,000 00	
Assessments	863 44	
Interest	18 80	
Redemption of Tax Titles	3,950 61	
		<hr/>
Total Payments		\$1,314,605 92
Balance on hand		158,601 71
		<hr/>
		\$1,473,207 63

BALANCE SHEET

Summary

Total Revenue Receipts	\$7,438,307 36
Total Non-Revenue Receipts	504,803 92
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Total Balance at beginning of period	\$7,943,111 28
	802,722 19
	<hr/>
	\$8,745,833 47
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Total Revenue Payments	\$7,090,774 89
Total Non-Revenue Payments	1,314,605 92
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Total Balance on hand	\$8,405,380 81
	340,452 66
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	\$8,745,833 47

TAXES

	Excise Tax	1927	1928	1929	Totals
Uncollected January 1, 1929		\$225 94	\$730,005 59		\$730,231 53
Committed 1929 .....		...	4 00		\$3,591,573 73
Corrections and adjustments.....		2 00	106 00		108 00
Total to collect	189,358 48	\$227 94	\$730,115 59	\$3,402,211 25	\$4,321,913 25
Collections (less refunds)	148,623 25	182 18	713,463 02	2,598,154 26	3,460,422 71
Abatements and transfers	9,470 25	45 76	16,034 16	12,192 59	37,742 76
Total collections and abatements	158,093 50	227 94	729,497 18	2,610,346 85	3,498,165 47
Uncollected December 31, 1929	31,264 98		618 41	791,864 40	823,747 79

SPECIAL ASSESSMENTS

	Street Sprinkling	Sidewalks	Highway Betterments	Totals
Assessments levied prior years, Balance January 1, 1929	\$10,484 10	\$ 5,547 76		\$ 16,031 86
Committed 1929	48,450 00	7,617 48	\$55,309 34	111,376 82
Total to collect	58,934 10	\$13,165 24	\$55,309 34	\$127,408 68
Collections	47,322 78	5,440 48	8,379 18	61,142 44
Abatements	105 88	770 12	1,803 25	2,679 25
Appportioned or Committed unapportioned		3,975 44	32,694 33	36,669 77
Balance, uncollected December 31, 1929	11,505 44	2,979 20	12,432 58	26,917 22

COMMITTED ASSESSMENTS

	Sewers Committed	Apportioned	Sidewalks Committed	Apportioned	Highway Committed	Betterments Apportioned
Assessments levied prior years, Balance January 1, 1929	\$800 00	\$16 64	\$1,529 04	.....	\$1,272 96	\$ 301 21
Committed 1929 .....	.....	91 64	2,454 47	\$167 09	6,361 52	2,267 68
Totals	\$800 00	\$108 28	\$3,983 51	\$167 09	\$7,634 48	\$2,568 89
Collected or abated	800 00	91 64	2,474 35	129 11	5,021 47	2,392 22
Uncollected Balance, December 31, 1929 .....	.....	\$16 64	\$1,509 16	\$37 98	\$2,613 01	\$176 67

APPORTIONED ASSESSMENTS

	Sewers	Sidewalks	Highway Betterments	Totals
Assessments levied prior years, Balance, January 1, 1929	\$341 50	\$225 63	\$3,077 02	\$3,644 15
Apportioned 1929 .....	.....	1,520 97	26,381 75	27,902 72
Total	\$341 50	\$1,746 60	29,458 77	\$31,546 87
Committed for collection	91 64	167 09	2,267 68	2,526 41
Paid in full, cash .....	.....	.....	760 37	760 37
Abatements .....	.....	.....	152 92	152 92
Balance, Not Due, December 31, 1929	249 86	1,579 51	26,277 80	28,107 17

INTEREST

Interest on assessments, levied prior years.

Balance January 1, 1929					
Committed 1929	\$81 20	\$150 70	\$231 90		
	574 33	341 79	916 12		
Totals	\$655 53	\$492 49	\$1,148 02		
Collections	449 69	314 25	763 94		
Abatements	3 92	23 46	27 38		
Balance December 31, 1929	201 92	154 78	356 70		

DEPARTMENTAL BILLS

	Balance Jan. 1, 1929	Committed	Total to Collect	Abated	Collected	Uncollected
Department Accounts Pledged to Revenue						
Health Department	\$586 72	\$1,251 23	\$1,837 95	\$25 71	\$505 93	\$1,306 31
Contagious Hospital	2,828 20	6,024 00	8,852 20	1,503 50	3,358 20	3,990 50
Inspection of Milk	97 00	1,651 75	1,748 75	.....	1,548 25	200.50
Sanitary Department .....	.....	582 55	582 55	.....	400 00	182 55
Sanitary Buildings	114 43	574 15	688 58	.....	688 58	.....
Highway Maintenance	953 68	7,318.90	8,272 58	148 95	7,665 33	458 39
Sidewalks Maintenance	19 30	.....	19 30	.....	.....	19 30
New Sidewalks .....	.....	142 79	142 79	.....	142 79	.....
Street Sprinkling .....	.....	15 00	15 00	.....	15 00	.....
Welfare Department,						
Miscellaneous	15,287 20	72,060 37	87,347 57	1,546 49	53 694 30	32,106 78
Welfare Department,						
City Home	760 42	5,491 72	6,252 14	31 00	6,022 00	199 14
School Contingent	2,533 16	19,977 52	22,570 68	602 68	20,426 95	1,541 05
School Buildings .....	.....	698 27	698 27	.....	698 27	.....
Totals	\$23,240 11	\$115,788 25	\$139,028 36	\$3,858 33	\$95,165 60	\$40,004 43

WATER DEPARTMENT ACCOUNTS (REVENUE)

	Commitments	Abatements	Collections (net)	Balance
Metered Rates	\$215,214 02	\$374 06	\$214,316 45	\$523 51
Metered Rates, Commercial	153,118 87	125 05	152,677 17	316 65
Additional Rates	2,372 57	.....	2,309 62	62 95
Service Assessments	5,573 41	.....	5,573 41	.....
Maintenance Bills	10,433 37	190 68	10,051 56	191 13
Metered Rates 1928	18,329 59	18 18	18,311 41	.....
Metered Rates 1928, Commercial	10,845 15	.....	10,845 15	.....
Totals	\$415,886 98	\$707 97	\$414,084 77	\$1,094 24
Cash Receipts				414,084 77
Water Revenue, 1929				\$415,179 01

STATEMENT OF ESTIMATED REVENUE

General Government:

Treasury Department				
City Clerk's Department				
Appeal Fees				

Protection of Persons and Property:

Police Department				
Fire Department				
Sealer of Weights and Measures				

Health and Sanitation:

Health Department				
Contagious Hospital				
Inspection of Milk				
Dental Clinic				
Sanitary Department				
Sanitary Buildings				

Highways:

Highway Maintenance				
Street Sprinkling				
New Sidewalks				

Charities:

Welfare, City Home				
Welfare, Miscellaneous				

Soldiers' Benefits:

State Aid				
Military Aid				
Soldiers' Burials				

Estimate	Receipts	Excess	Deficit
\$6,700 00	\$6,401 79	.....	\$298 21
2,300 00	2,211 20	.....	88 80
400 00	330 00	.....	70 00
200 00	90 08	.....	109 92
.....	14 80	.....	.....
900 00	983 36	83 36	.....
350 00	505 93	155 93	.....
6,000 00	3,358 20	.....	2,641 80
500 00	1,553 25	1,053 25	.....
300 00	565 07	265 07	.....
2,600 00	1,579 40	.....	1,020 60
500 00	688 58	188 58	.....
7,000 00	7,665 33	665 33	.....
.....	15 00	15 00	.....
.....	142 79	142 79	.....
7,000 00	7,327 92	327 92	.....
45,000 00	53,259 76	8,259 76	.....
4,000 00	3,468 00	.....	532 00
2,500 00	3,310 25	810 25	.....
400 00	111 50	.....	288 50

CITY AUDITOR

STATEMENT OF ESTIMATED REVENUE

	Estimate	Receipts	Excess	Deficit
Education:				
School Contingent	\$17,000 00	\$20,440 87	\$3,440 87	.....
Vocational Education	2,500 00	1,916 36	.....	583 64
Maintenance School Buildings	800 00	712 63	.....	87 37
Libraries:				
Library Department	2,400 00	2,806 49	406 49	.....
Recreation and Unclassified:				
Electrolysis	500 00	500 00	.....	.....
Bathhouse	350 00	399 70	49 70	.....
Shower Baths	500 00	538 55	38 55	.....
Miscellaneous	100 00	513 70	413 70	.....
Public Service Enterprises:				
Water Department	410,000 00	384,795 95	.....	25,204 05
Interest:				
Bank Deposits	17,500 00	20,125 37	2,625 37	.....
Deferred Taxes	23,500 00	24,564 70	1,064 70	.....
Special Assessments	500 00	364 70	.....	135 30
Apportioned Betterment Assessments .....	.....	574 33	574 33	.....
Totals	\$703,700 00	\$699,495 35	\$36,228 71	\$40,433 36
Estimate				\$703,700 00
Actual				699,495 35
Deficit				\$4,204 65

STATEMENT OF APPROPRIATIONS 1929 (REVENUE)

	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expendi- tures	Balance to Excess and Deficiency
General Government:—							
Board of Aldermen Expenses.....	\$9,140 00	.....	\$2,000 00	.....	\$11,140 00	\$11,119 97	\$20 03
Clerk of Committees Department	4,325 00	.....	.....	.....	4,325 00	4,246 16	78 84
Executive Department	12,250 00	.....	.....	.....	12,250 00	11,951 83	298 17
Auditing Department	8,575 00	10 00	.....	.....	8,565 00	8,409 24	155 76
Treasury Department	34,135 00	.....	250 00	.....	34,385 00	34,320 13	64 87
Assessors' Department	28,550 00	250 00	.....	.....	28,300 00	28,033 01	266 99
Pedlers' License Commission	35 00	.....	.....	.....	35 00	27 56	7 44
Licensing Commission	3,150 00	.....	.....	.....	3,150 00	3,092 36	57 64
Certification of Notes and Bonds.....	1,150 00	.....	.....	.....	1,150 00	1,070 00	80 00
City Clerk's Department	15,240 00	.....	500 00	392 29	16 132 29	16,107 00	25 29
Registration of City Laborers	485 00	.....	.....	.....	485 00	483 35	1 65
Law Department	5,550 00	.....	.....	.....	5,550 00	5,265 76	284 24
City Messenger's Department	3,770 00	.....	.....	.....	3,770 00	3,756 79	13 21
Engineering Department	20,050 06	2,350 00	.....	40 00	17,740 00	17,044 70	695 30
Commissioner of Public Buildings	14,015 00	300 00	.....	.....	13,715 00	13,030 86	684 14
Maintenance Municipal Buildings	12,510 00	.....	.....	9 78	12,519 78	11,901 02	618 76
City Planning Board	500 00	500 00	.....	.....	.....	.....	.....
Board of Appeal	2,335 00	.....	.....	.....	2,335 00	2,134 49	200 51
Board of Election Commissioners	11,385 00	.....	10 00	.....	11,395 00	11,394 22	78
Pay of Election Officers	4,712 00	.....	.....	.....	4,712 00	4,712 00	.....
Maintenance Polling Places	745 00	.....	500 00	.....	1,245 00	1,243 92	1 08
Total General Government	192,607 00	\$3,410 00	\$3,260 00	\$442 07	\$192,899 07	\$189,344 37	\$3,554 70

STATEMENT OF APPROPRIATIONS 1929 (REVENUE)

	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
Protection of Persons and Property:—							
Police Department	\$307,970 00	\$900 00	.....	\$1 68	\$307,071 68	\$305,736 08	\$1,335 60
Maintenance Police Buildings	6,990 00	.....	.....	21 10	7,011 10	6,953 12	57 98
Fire Department	325,640 00	.....	900 00	444 69	326,984 69	326,983 34	1 35
Maintenance Fire Buildings	11,320 00	.....	.....	.....	11,320 00	10,280 19	1,039 81
Weights and Measures Department	5,000 00	.....	.....	.....	5,000 00	4,993 95	6 05
Electrical Department	31,085 00	.....	.....	879 18	31,964 18	30,755 86	1,208 32
Maintenance Electrical Department							
Buildings	2,500 00	200 00	.....	.....	2,300 00	2,272 99	27 01
Suppression of Moths	7,200 00	2,000 00	.....	.....	5,200 00	5,040 22	159 78
Care of Trees	7,000 00	.....	2,000 00	.....	9,000 00	8,991 90	8 10
Total Protection of Persons and Property	704,705 00	3,100 00	2,900 00	1,346 65	705,851 65	702,077 65	3,844 00
Health and Sanitation:—							
Health Department	26,270 00	.....	20 00	.....	26,290 00	26,577 65	.....
Vital Statistics	1,100 00	.....	.....	.....	1,100 00	1,053 77	46 23
Contagious Hospital	18,245 00	290 00	.....	21 00	17,976 00	17,381 89	594 11
Maintenance Contagious Hospital	3,780 00	.....	.....	52 15	3,832 15	3,511 72	320 43
Inspection of Animals and Provisions..	2,940 00	.....	.....	.....	2,940 00	2,914 30	25 70
Inspection of Milk and Vinegar	7,500 00	.....	.....	.....	7,500 00	7,350 83	149 17
Inspection of School Children	4,895 00	.....	270 00	.....	5,165 00	5,155 27	9 73
School Nurses' Salaries	3,940 00	.....	.....	.....	3,940 00	3,655 22	284 78
Sewers Maintenance	29,025 00	.....	2,350 00	556 96	31,931 96	31,907 34	24 62
Maintenance Sewer Buildings	2,760 00	365 00	.....	.....	2,395 00	238 13	2,156 87
Sanitary Department	228,800 00	.....	.....	.....	228,800 00	226,948 30	1,851 70

STATEMENT OF APPROPRIATIONS 1929 (REVENUE)

	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expendi- tures	Balance to Excess and Deficiency
Maintenance Sanitary Buildings	1,170 00	.....	.....	.....	\$1,170 00	\$1,048 76	\$121 24
Street Cleaning	28,000 00	.....	1,300 00	300 00	29,600 00	29,356 22	243 78
Total Health and Sanitation	358,425 00	655 000	3,940 00	930 11	362,640 11	357,099 40	5,828 36
*Health Department—Overdrawn .....	.....	.....	.....	.....	.....	.....	287 65
Highways:—							5,540 71
Highway Maintenance	109,800 00	11,300 00	.....	44,998 36	143,498 36	142,069 25	1,429 11
Sidewalks Maintenance	20,800 00	.....	1,110 00	.....	21,910 00	21,848 68	61 32
Street Sprinkling	33,000 00	510 00	.....	1,000 00	33,490 00	33,088 38	401 62
Street Lighting	83,155 00	.....	.....	.....	83,155 00	83,117 30	37 70
Maintenance Highway Buildings	1,760 00	.....	450 00	.....	2,210 00	2,208 76	1 24
Total Highways	248,515 00	11,810 00	1,560 00	45,998 36	284,263 36	282,332 37	1,930 99
Charities and Soldiers' Benefits:—							
Welfare, Miscellaneous	172,850 00	.....	4,100 00	631 00	177,581 00	177,499 26	81 74
Welfare, City Home	14,950 00	.....	.....	18 50	14,968 50	14,382 34	586 16
Maintenance, City Home Buildings	12,075 00	5,000 00	.....	45 99	7,120 99	6,612 32	508 67
Soldiers' Benefits—General Adminis- tration	1,660 00	.....	.....	.....	1,660 00	1,658 42	1 58
Military Aid	5,000 00	.....	600 00	125 00	5,725 00	5,661 50	63 50
State Aid	4,000 00	.....	.....	16 00	3,486 00	3,484 00	2 00
Soldiers' Relief	62,000 00	.....	530 00	1,831 75	64,361 75	64,065 31	296 44
Soldiers' Burials	400 00	.....	.....	.....	400 00	111 50	288 50
Total Charities and Soldiers' Benefits..	272,935 00	5,530 00	5,230 00	2,668 24	275,303 24	273,474 65	1,828 59
Education:—							
School Contingent	81,000 00	160 00	.....	35 76	80,875 76	79,758 61	1,117 15
Outside Tuition	10,500 00	.....	160 00	.....	10,660 00	10,659 48	52
School Teachers' Salaries	1,033,200 00	16,100 00	.....	10 00	1,017,110 00	1,015,972 46	1,137 54

STATEMENT OF APPROPRIATIONS 1929 (REVENUE)

	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expendi- tures	Balance to Excess and Deficiency
Janitors' Services	85,000 00	.....	4,100 00	.....	89,100 00	89,035 39	64 61
Fuel and Light	53,125 00	5,800 00	.....	2 20	47,327 20	45,753 84	1,573 36
Buildings and Grounds	72,020 00	.....	5,500 00	487 43	78,007 43	77,971 79	35 64
Total Education	1,334,845 00	22,060 00	9,760 00	535 39	1,323,080 39	1,313,151 57	3,928 82
Libraries:—							
Central Library	\$43,850 00	.....	\$500 00	\$11 37	\$44,361 37	\$44,339 85	\$21 52
Maintenance Central Library	8,020 00	400 00	.....	.....	7,620 00	7,427 04	192 96
West Somerville Branch Library	11,700 00	.....	.....	17 02	11,717 02	11,713 25	3 77
Maintenance West Somerville Branch Library	3,900 00	100 00	.....	.....	3,800 00	3,466 98	333 02
East Somerville Branch Library	8,600 00	.....	.....	58	8,600 58	8,596 05	4 53
Maintenance East Somerville Branch Library	2,230 00	50 00	.....	.....	2,180 00	2,058 92	121 08
Union Square Branch Library	9,960 00	.....	.....	52 41	10,012 41	10,005 15	7 26
Maintenance Union Square Branch Library	2,530 00	.....	450 00	.....	2,980 00	2,975 85	4 15
Total Libraries	90,790 00	550 00	950 00	81 38	91,271 38	90,583 09	688 29
Recreation and Unclassified:—							
Parks Maintenance	16,300 00	.....	2,100 00	.....	18,400 00	18,313 03	86 97
Maintenance Park Buildings	2,360 00	.....	400 00	9 24	2,769 24	2,766 89	2 35
Playgrounds Maintenance	14,700 00	35 00	.....	67 24	14,732 24	14,169 88	562 36
Recreation Commission	13,000 00	.....	35 00	8 06	13,043 06	13,041 46	1 60
Maintenance Bathhouse	2,770 00	100 00	15 00	.....	2,685 00	2,682 41	2 59
Celebrations	3,500 00	.....	1,000 00	.....	4,500 00	3,880 62	619 33
Tercentenary Celebration	2,000 00	.....	.....	.....	2,000 00	.....	.....
Memorial Day	1,000 00	.....	.....	.....	1,000 00	982 24	17 76
Municipal Documents	4,800 00	.....	80 00	.....	4,880 00	4,876 48	3 52
Maintenance Bandstand	400 00	.....	.....	.....	400 00	350 88	49 12
Rifle Practice, Cos. A and B	1,500 00	.....	.....	.....	1,500 00	1,379 09	120 91

STATEMENT OF APPROPRIATIONS 1929 (REVENUE)

	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expenditures	Balance to Excess and Deficiency
Quarters, Spanish War Veterans	\$40 00	.....	.....	.....	\$40 00	\$30 00	\$10 00
Quarters for American Legion	1,000 00	.....	300 00	.....	1,300 00	1,300 00	.....
Quarters for George Dilboy Post, V. F. W.	720 00	.....	.....	.....	720 00	720 00	.....
Contingent Fund	10,000 00	9,980 00	.....	.....	20 00	.....	20 00
Municipal Buildings Insurance Fund....	10,000 00	.....	.....	.....	10,000 00	10,000 00	.....
Workmen's Compensation	6,000 00	.....	.....	25 72	6,025 72	5,728 80	296 92
Pensions	58,000 00	2,000 00	.....	23 74	56,023 74	55,409 72	614 02
Damage to Persons and Property.....	10,000 00	4,100 00	.....	.....	5,900 00	5,533 42	366 58
Total Recreation and Unclassified.....	158,090 00	16,215 00	3,930 00	134 00	145,939 00	141,164 92	2,774 08
Municipal Indebtedness:—							
Interest	161,400 00	5,000 00	.....	953 33	157,353 33	156,757 72	595 61
Reduction of Funded Debt	194,394 00	.....	.....	1,606 00	196,000 00	196,000 00	.....
Total Municipal Indebtedness	355,794 00	5,000 00	.....	2,559 33	353,353 33	352,757 72	595 61
Public Service Enterprises:—							
Water Maintenance	98,050 00	5,000 00	13,500 00	16,438 23	122,988 23	122,726 51	261 72
Water Works Extension	35,000 00	10,500 00	5,000 00	2,061 89	31,561 89	30,597 50	964 39
Maintenance Water Buildings	1,820 00	.....	.....	.....	1,820 00	1,605 15	214 85
Metropolitan Water Assessment	207,000 00	11,300 00	.....	.....	195,700 00	195,150 98	549 02
Total Public Service Enterprises	341,870 00	26,800 00	18,500 00	18,500 12	352,070 12	350,080 14	1,989 98
Total Appropriations	\$4,058,576 00	\$95,130 00	\$50,030 00	\$73,195 65	\$4,086,671 65	\$4,057,995 88	\$26,675 77
Note:							
Tercentenary Appropriation \$2,000 00..	2,000 00	.....	.....	.....	2,000 00	.....	.....
Carried forward to 1930.....	\$4,056,576 00	.....	.....	.....	\$4,084,671 65	.....	.....

STATEMENT OF APPROPRIATIONS 1929 (REVENUE)

Other Accounts:

Income of Trust Funds:

School:

S. Newton Cutler
 Caroline G. Baker
 Smith-Hughes
 Sarah Winslow Fox Fund for Investment

Libraries:

S. Newton Cutler 18
 Martha R. Hunt, Art 96 34
 Martha R. Hunt, Book 48
 Isaac Pitman, Investment
 Isaac Pitman, Art 353 40
 Isaac Pitman, Poetry 7 61
 Frances A. Wilder 2 74
 Sarah Lorane Graves 1 96
 Thomas J. Buffum 29 27
 Eunice M. Gilmore

Welfare:

Olive C. Cummings 807 47

State Taxes and Assessments
 County Tax
 Advance Welfare Department, City Home
 Advance, Soldiers' Benefits
 Advance, Police Department
 Advance, School Department
 Tellers' Overs and Shorts
 Temporary Loans 700,000 00

Cash Refunds:

Taxes
 Special Assessments
 Water Rates
 Miscellaneous

Total Other Accounts \$705,586 29
 Revenue Totals

	Receipts	Total Credit	Expenditures	Balance to 1930
	\$ 215 30	\$ 227 64	\$ 114 00	\$ 113 64
	15 00	22 50	15 00	7 50
	4,226 49	8,493 49	5,958 00	2,535 49
	401 38	401 38	401 38	.....
	43 04	43 22	41 59	1 63
	70 26	166 60	74 41	92 19
	490 00	490 48	483 30	7 18
	5,000 00	5,000 00	5,000 00	.....
	267 06	620 46	497 13	123 33
	66 76	74 37	7 25	67 12
	5 00	7 74	5 13	2 61
	20 00	21 96	11 60	10 36
	50 00	79 27	.....	79 27
	91 67	91 67	41 63	50 04
	75 68	883 15	.....	883 15
	.....	401,306 20	401,306 20	.....
	.....	186,450 88	186,450 88	.....
	.....	100 00	100 00	.....
	.....	100 00	100 00	.....
	.....	300 00	300 00	.....
	.....	200 00	200 00	.....
	.....	51 67	51 67	.....
	.....	3,295,000 00	2,495,000 00	800,000 00
	.....	3,991 88	3,991 88	.....
	.....	47 34	47 34	.....
	.....	132 26	132 26	.....
	.....	51 78	51 78	.....
	\$11,037 64	\$3,904,355 94	\$3,100,382 43	\$803,973 51
	.....	7,989,027 59	7,158,378 31	830,649 28

STATEMENT OF APPROPRIATIONS 1929 (NON-REVENUE)

	Balance from 1928	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expenditures	Balance to 1930
Protection of Persons and Property:—								
Underground Wires.....	\$2,310 04	.....	.....	.....	.....	\$2,310 04	\$674 81	\$1,635 23
Fire Department—Addi- tional Apparatus .....	.....	8,500 00	.....	.....	.....	8,500 00	8,500 00	.....
Health and Sanitation:—								
Sewers Construction ...	661 88	17,000 00	.....	3,300 00	357 83	21,319 71	19,841 05	1,478 66
Tannery Brook Drain Construction .....	.....	35,000 00	.....	.....	4 88	35,004 88	17,435 60	17,569 28
Highways:—								
New Streets	16,466 24	45,000 00	.....	.....	762 83	62,229 07	59,543 26	2,685 81
Permanent Pavement....	78,860 07	65,000 00	.....	23,000 00	266 63	167,126 70	167,094 05	32 65
Sidewalk Construction..	821 70	10,000 00	.....	2,200 00	31 95	13,053 65	12,306 82	746 83
Reconstruction and Re- surfacing	19 88	25,000 00	.....	600 00	.....	25,619 88	25,551 88	68 00
Traffic Signal Light In- stallation .....	.....	9,000 00	.....	.....	.....	9,000 00	.....	9,000 00
Overhead Way, Kent Street .....	.....	6,000 00	.....	.....	.....	6,000 00	.....	6,000 00
Garage, City Stables....	.....	3,225 00	.....	.....	.....	3,225 00	3,220 81	4 19
Education:—								
High School Additions and Alterations	391,222 36	33,500 00	.....	.....	.....	424,722 36	421,468 05	3,254 31
Schoolhouse, Ten Hills Schoolhouses, Sprinkler System .....	.....	81,200 00	.....	5,000 00	.....	86,200 00	49,732 93	36,467 07
Southern and Western Junior High Schools,,	632 21	.....	.....	.....	.....	632 21	.....	632 21
	1,615 00	15,000 00	.....	.....	.....	16,615 00	15,083 38	1,531 62

STATEMENT OF APPROPRIATIONS 1929 (NON-REVENUE)

	Balance from 1928	Appropriations	Appropriation Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expendi- tures	Balance to 1930
Education Continued								
Addition Southern Junior High School		75,000 00	.....	.....	.....	75,000 00	430 00	74,570 00
Recreation:—								
Playground, Foss Park Improvement, Walter Ernest Shaw Play- ground	880 04	.....	.....	.....	.....	880 04	.....	880 04
John M. Woods Play- ground	1,093 23	.....	.....	.....	.....	1,093 23	47 42	1,045 81
Spanish War Memorial	1,000 00	.....	.....	.....	.....	1,000 00	.....	1,000 00
		10,000 00	.....	.....	.....	10,000 00	10,000 00	.....
Total Appropriation Ac- counts	\$495,582 65	\$438,425 00	.....	\$34,100 00	\$1,424 12	\$969,531 77	\$810,930 06	\$158,601 71

STATEMENT OF APPROPRIATIONS 1929 (NON-REVENUE)

	Balance from 1928	Appropriations	Approp. Trans. From	Appropriation Trans. To	Receipts and Service Trans.	Total Credit	Expenditures	Balance to 1930
Other Accounts:								
Redemption of Tax Titles					\$3,950 61	\$3,950 61	\$3,950 61	.....
Northern Traffic Artery Assessments	285 49				577 95	863 44	863 44	.....
Northern Traffic Artery Assess., Interest	10 07				8 73	18 80	18 80	.....
Northern Traffic Artery, City Assessments ..		500,000 00				500,000 00	500,000 00	.....
Non-Revenue								
Totals	\$495,878 21	\$938,425 00		\$34,100 00	\$5,961 41	\$1,474,364 62	\$1,315,762 91	\$158,601 71

CITY AUDITOR

COMMONWEALTH OF MASSACHUSETTS

Payments

State Tax	\$146,880 00
Metropolitan Water Assessment	195,150 98
Metropolitan Sewer Assessment	105,517 78
Metropolitan Parks Assessment	80,633 66
Wellington Bridge Assessment	2,130 26
State Highway Tax	664 95
Charles River Basin Assessment	11,791 64
Alewife Brook Assessment	882 86
Abatement of Smoke Assessment	385 90
Fire Prevention Assessment	1,265 29
Northern Traffic Artery Assessment	7,812 00
Southern Traffic Artery Assessment	744 12
Cottage Farm Bridge Assessment	41,020 07
Snow Removal	34 24
Auditing	1,375 27
Veterans' Exemption	168 16
Northern Traffic Artery:	
Assessment	863 44
Interest	18 80
City Assessment	500,000 00
Refunds Bank Taxes	2 88

\$1,097,340 54

Receipts

Income Taxes 1928	\$ 24,400 49
Income Taxes 1929	459,764 37
Corporation Taxes	153,000 52
National Bank Tax	2,609 04
Street Railway Tax	14,057 87
Industrial School	14,382 71
Continuation School	4,262 93
Outside Tuition	4,941 62
Americanization	3,076 62
Pedlars Licenses	225 00
Boxing Licenses	398 56
In Lieu of Taxes	85 17
Smith-Hughes Fund	4,226 49
State Aid	3,954 00
Military Aid	2,842 50
Soldiers Burials	284 00
Mothers' Aid	28,102 53
Division of the Blind	500 00
Tuition, State Wards	3,962 83
General Aid to the Poor	3,351 28

\$728,428 53

COUNTY OF MIDDLESEX

Payments

County Tax	\$167,126 77	
County Tax, Tuberculosis Hospital	19,324 11	
	<hr/>	\$186,450 88

Receipts

Dog Licenses	\$2,717 80
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STATEMENT OF REVENUE AND EXPENSES

Total Taxes assessed in 1929		\$3,401,835 29
Less State Taxes	\$147,544 95	
County Tax	186,450 88	
Overlay	27,973 43	
		<u>361,969 26</u>
Amount raised for municipal purposes		\$3,039,866 03

Additional Revenue:

Supplementary Poll Taxes 1929	\$ 376 00
Income Tax 1928, Excess	24,400 49
Income Tax, 1929	381,903 06
Corporation Tax	135,000 00
Bank Tax	1,500 00
Motor Vehicle Excise Tax	147,000 00

	690,179 55
Estimated Revenue	<u>703,700 00</u>
Total Revenue, applicable to 1929	\$4,433,745 58

Expenses

General Appropriations	\$4,056,627 67
Outlay Appropriations	119,000 00
Metropolitan and other Assessments	253,761 25
	<u>\$4,429,388 92</u>
Excess Revenue, 1929	4,356 66

TEMPORARY LOANS 1929

	Numbers	Issued	Due	Rate	Amount	Paid
First National Bank of Boston	1663 @ 1674	Jan. 21, 1929	Oct. 23, 1929	4 83	\$200,000 00	Oct. 23, 1929
Somerville Trust Company...	1675	Feb. 21, 1929	Oct. 30, 1929	5 125	25,000 00	Oct. 30, 1929
Somerville National Bank.....	1676	Feb. 21, 1929	Oct. 30, 1929	5 125	25,000 00	Oct. 30, 1929
Old Colony Corporation.....	1677	Feb. 27, 1929	Sept. 13, 1929	4 75	100,000 00	Sept. 13, 1929
Old Colony Corporation.....	1678	Feb. 27, 1929	Oct. 14, 1929	5 00	100,000 00	Oct. 14, 1929
Old Colony Corporation.....	1679 @ 1680	Mar. 4, 1929	Nov. 6, 1929	5 125	100,000 00	Nov. 6, 1929
Old Colony Corporation.....	1681 @ 1682	Mar. 18, 1929	Nov. 6, 1929	5 125	100,000 00	Nov. 6, 1929
Old Colony Corporation.....	1683 @ 1688	Mar. 26, 1929	Nov. 6, 1929	5 18	95,000 00	Nov. 6, 1929
F. S. Moseley & Company.....	1689 @ 1696	Apr. 15, 1929	Nov. 1, 1929	5 50	100,000 00	Nov. 1, 1929
Old Colony Corporation.....	1697 @ 1704	Apr. 15, 1929	Nov. 4, 1929	5 50	100,000 00	Nov. 4, 1929
Estabrook & Company.....	1705 @ 1710	May 13, 1929	Nov. 18, 1929	5 41	100,000 00	Nov. 18, 1929
F. S. Moseley & Company.....	1711 @ 1718	May 20, 1929	Nov. 6, 1929	5 50	100,000 00	Nov. 6, 1929
F. S. Moseley & Company.....	1719 @ 1720	June 6, 1929	Nov. 6, 1929	5 80	200,000 00	Nov. 6, 1929
Salomon Bros. & Hutzler.....	1721 @ 1733	June 13, 1929	Dec. 10, 1929	5 76	150,000 00	Dec. 10, 1929
Boston Safe Deposit & Trust Company	1734 @ 1737	July 10, 1929	Dec. 10, 1929	plus \$3 00		
First National Bank of Boston	1738 @ 1743	July 26, 1929	Nov. 26, 1929	5 40	200,000 00	Dec. 10, 1929
First National Bank of Boston	1744 @ 1749	July 26, 1929	Jan. 1, 1930	5 025	100,000 00	Nov. 26, 1929
Bank of Commerce & Trust Company	1750 @ 1757	Sept. 18, 1929	Feb. 27, 1930	5 22	100,000 00	
Bank of Commerce & Trust Company	1758 @ 1765	Sept. 18, 1929	Mar. 25, 1930	5 22	100,000 00	
Boston Safe Deposit & Trust Company	1766 @ 1768	Dec. 6, 1929	Mar. 14, 1930	3 90	100,000 00	
Boston Safe Deposit & Trust Company	1769 @ 1774	Dec. 6, 1929	Apr. 16, 1930	3 90	200,000 00	
Boston Safe Deposit & Trust Company	1775 @ 1777	Dec. 6, 1929	May 15, 1930	3 90	100,000 00	

TEMPORARY LOANS 1929—Continued

	Numbers	Issued	Due	Rate	Amount	Paid
Boston Safe Deposit & Trust Company	1778 @ 1780	Dec. 6, 1929	June 20, 1930	3 90	100,000 00	
				plus \$7 00		
Total amount of 1929 loans.....					\$2,595,000 00	
Outstanding January 1, 1929.....					700,000 00	
					<hr/>	
Payments 1929					\$3,295,000 00	
					2,495,000 00	
					<hr/>	
Outstanding December 31, 1929.....					\$800,000 00	

FUNDED DEBT

The funded debt of the city January 1, 1929, was \$2,344,000 00. One loan of \$500,000.00 for Northern Traffic Route was authorized. Maturities paid during the year amounted to \$196,000.00. The total debt December 31, 1929, was \$2,648,000.00 a net increase of \$304,000.00.

Classified debt January 1, 1929:

City Loan	\$ 52,000 00	
City Hall Additions Loan	110,000 00	
Sewer Loan	128,000 00	
Public Building Loan	106,000 00	
Highway Loan	135,000 00	
Schoolhouse Loan	621,000 00	
High School Loan	1,170,000 00	
Bridge Loan	21,000 00	
		<hr/>
Total within limit		\$2,343,000 00
Metropolitan Park Loan	1,000 00	
Total outside limit		1,000 00
		<hr/>
Total Funded Debt		\$2,344,000 00

Loan increasing the debt:

Northern Traffic Route	500,000 00
	<hr/>
	\$2,844,000 00

Maturities reducing the debt:

City Loan	\$16,000 00	
City Hall Additions Loan	8,000 00	
Sewer Loan	17,000 00	
Public Building Loan	16,000 00	
Highway Loan	32,000 00	
Schoolhouse Loan	44,000 00	
High School Loan	61,000 00	
Bridge Loan	1,000 00	
		<hr/>
Total within limit	195,000 00	
Metropolitan Park Loan (Outside Limit)	1,000 00	
Total Maturities		\$196,000 00
		<hr/>
Funded Debt December 31, 1929		\$2,648,000 00

Classified as follows:

City Bonds 4%	\$ 36,000 00
City Hall Additions 4%	32,000 00
City Hall Additions 4¼%	70,000 00
Sewer Bonds 3½%	18,000 00
Sewer Bonds 4%	79,000 00
Sewer Bonds 4¼%	14,000 00

Public Building Bonds 4%	58,000 00	
Public Building Bonds 4½%	32,000 00	
Highway Bonds 4%	88,000 00	
Highway Bonds 5%	15,000 00	
Schoolhouse Bonds 4%	577,000 00	
High School Bonds 3¾%	600,000 00	
High School Bonds 4%	509,000 00	
Bridge Bonds 3½%	20,000 00	
<hr/>		
Total within limit		\$2,148,000 00
Northern Traffic Route Bonds 4½%	500,000 00	
Total outside limit		500,000 00
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Total Funded Debt		\$2,648,000 00

The debt per capita December 31, 1929, was \$25.46, an increase of \$2.92 over that of December 31, 1928. The debt was 2.22% of the assessed valuation for 1929. The ratio of debt to tax income was 79.5%. The tax rate per \$1,000 valuation on account of reduction of funded debt in 1929 was \$1.25.

TAXES

The total taxable property as of April 1, 1929, was \$118,840,900. The tax rate was fixed at \$28.10 per \$1,000 valuation.

State Tax	\$ 146,880 00	
Metropolitan Sewerage	104,561 11	
Metropolitan Sewerage, Special	956 67	
Metropolitan Parks	79,457 19	
Wellington Bridge	2,130 26	
State Highway	664 95	
Snow Removal	34 24	
Charles River Basin	11,791 64	
Alewife Brook (acts 1907)	882 86	
Abatement of Smoke	385 90	
Fire Prevention	1,265 29	
Division Metropolitan Planning	1,176 47	
Southern Traffic Route	744 12	
Northern Traffic Route, Special	500,000 00	
Northern Traffic Route	7,812 00	
Cottage Farm Bridge	41,020 07	
Auditing Municipal Accounts	1,375 27	
County Tax	167,126 77	
County Tax, Tuberculosis Hospital	19,324 11	
City Appropriations	\$4,155,376 00	
Less Polls	62,406 00	4,092,970 00
<hr/>		
Overlay		27,973 43
<hr/>		
Total amount to be raised		\$5,208,532 35

Less Estimated Revenue	703,700 00	
Automobile Excise Tax	147,000 00	
State Income Tax	381,903 06	
Corporation Tax	135,000 00	
Bank Tax	1,500 00	
Estimated Receipts	\$1,369,103 06	
Loan Northern Artery	500,000 00	1,869,103 06
Net amount assessed in taxes		\$3,339,429 29

SPECIAL ASSESSMENTS

Street Sprinkling	\$ 48,450 00	
Sidewalks	7,617 48	
Sidewalks, 1929	2,454 47	
Highway Betterments	55,309 64	
Apportioned Sewers, 1925	16 64	
Apportioned Sewers, 1926	75 00	
Apportioned Sidewalks, 1925	20 02	
Apportioned Sidewalks, 1926	46 41	
Apportioned Sidewalks, 1928	85 64	
Apportioned Sidewalks, 1929	2,454 47	
Apportioned Betterments, 1927	235 52	
Apportioned Betterments, 1925	49 10	
Unapportioned Betterments	6,361 52	
Interest:—		
Apportioned Betterments	574 33	
Committed Betterments	231 51	
Committed Sidewalks	110 28	
Total Commitment		\$124,092 03
		\$3,463,521, 32

Appropriations, classified under general headings, were made from revenue as follows:

General Government	\$192,607 00
Protection of Persons and Property	713,205 00
Health and Sanitation	385,425 00
Highways	268,515 00
Charities	199,875 00
Soldiers' Benefits	73,060 00
Education	1,378,145 00
Libraries	90,790 00
Recreation	52,630 00
Unclassified	103,460 00
Municipal Indebtedness	355,794 00
Water Works	341,870 00
Total budget appropriations	\$4,155,376 00
Less Estimated Receipts	1,369,103 06
Raised by Taxation	\$2,786,272 94

FUNDED DEBT, DECEMBER 31, 1929

	City Loan	City Hall Additions	Sewer Loan	Public Building Loan	Highway Loan	Lowell Street Bridge Loan	School- house Loan	High School Loan	Northern Traffic Route	Total Maturities By Years
1930.....	\$15,000	\$8,000	\$16,000	\$16,000	\$28,000	\$1,000	\$44,000	\$61,000	\$50,000	\$239,000
1931.....	12,000	8,000	16,000	15,000	22,000	1,000	44,000	61,000	50,000	229,000
1932.....	9,000	8,000	14,000	15,000	17,000	1,000	44,000	61,000	50,000	219,000
1933.....	8,000	14,000	14,000	12,000	1,000	43,000	61,000	50,000	203,000
1934.....	7,000	14,000	14,000	12,000	1,000	43,000	61,000	50,000	202,000
1935.....	7,000	13,000	8,000	12,000	1,000	43,000	61,000	50,000	195,000
1936.....	7,000	6,000	4,000	.....	1,000	43,000	61,000	50,000	172,000
1937.....	7,000	6,000	4,000	.....	1,000	43,000	61,000	50,000	172,000
1938.....	7,000	4,000	.....	.....	1,000	43,000	61,000	50,000	166,000
1939.....	7,000	3,000	.....	.....	1,000	43,000	61,000	50,000	165,000
1940.....	7,000	2,000	.....	.....	1,000	43,000	61,000	.....	114,000
1941.....	7,000	1,000	.....	.....	1,000	43,000	61,000	.....	113,000
1942.....	7,000	1,000	.....	.....	1,000	43,000	61,000	.....	113,000
1943.....	7,000	1,000	.....	.....	1,000	15,000	61,000	.....	85,000
1944.....	1,000	.....	61,000	.....	62,000
1945.....	1,000	.....	61,000	.....	62,000
1946.....	1,000	.....	61,000	.....	62,000
1947.....	1,000	.....	61,000	.....	62,000
1948.....	1,000	.....	11,000	.....	12,000
1949.....	1,000	.....	.....	.....	1,000
	\$36,000	\$102,000	\$111,000	\$90,000	\$103,000	\$20,000	\$577,000	\$1,109,000	\$500,000	\$2,648,000

INTEREST REQUIREMENTS ON PRESENT CITY DEBT TO MATURITY

	City	City Hall Additions	Sewer	Public Buildings	Highway	Bridges	School house	High School Loan	Northern Traffic Route	Total
1930.....	\$1,280 00	\$4,255 00	\$4,208 75	\$3,560 00	\$3,920 00	\$682 50	\$22,460 00	\$41,360 00	\$22,500 00	\$104,226 25
1931.....	740 00	3,935 00	3,581 25	2,920 00	2,825 00	647 50	20,700 00	39,170 00	20 250 00	94,768 75
1932.....	320 00	3,615 00	2,973 75	2,300 00	2,020 00	612 50	18,940 00	36,980 00	18,000 00	85,761 25
1933.....		3,295 00	2,421 25	1,700 00	1,440 00	577 50	17,180 00	34,790 00	15,750 00	77,153 75
1934.....		2,975 00	1,868 75	1,120 00	960 00	542 50	15,460 00	32,600 00	13,500 00	69,026 25
1935.....		2,677 50	1,336 25	620 00	480 00	507 50	13,740 00	30,410 00	11,250 00	61,021 25
1936.....		2,380 00	841 25	360 00	.....	472 50	12,020 00	28,220 00	9,000 00	53,293 75
1937.....		1,785 00	406 25	180 00	.....	437 50	10,300 00	26,030 00	6,750 00	46,383 75
1938.....		1,487 50	268 75	.....	.....	402 50	8,580 00	23,840 00	4,500 00	39,513 75
1939.....		1,190 00	168 75	.....	.....	367 50	6,860 00	21,650 00	2,250 00	32,883 75
1940.....		892 50	106 25	.....	.....	332 50	5,140 00	19,460 00	.....	26,291 25
1941.....		595 00	63 75	.....	.....	297 50	3,420 00	17,270 00	.....	21,986 25
1942.....		297 50	21 25	.....	.....	262 50	1,700 00	15,080 00	.....	17,701 25
1943.....		.....	.....	.....	.....	227 50	300 00	12,640 00	.....	13,486 25
1944.....		.....	.....	.....	.....	192 50	.....	10,200 00	.....	10,392 50
1945.....		.....	.....	.....	.....	157 50	.....	7,760 00	.....	7,917 50
1946.....		.....	.....	.....	.....	122 50	.....	5,320 00	.....	5,442 50
1947.....		.....	.....	.....	.....	87 50	.....	2,880 00	.....	2,967 50
1948.....		.....	.....	.....	.....	52 50	.....	440 00	.....	492 50
1949.....		.....	.....	.....	.....	17 50	.....	.....	.....	17 50
	<u>\$2,340 00</u>	<u>\$31,462 50</u>	<u>\$18,870 00</u>	<u>\$12,760 00</u>	<u>\$11,645 00</u>	<u>\$7,000 00</u>	<u>\$56,800 00</u>	<u>\$406,100 00</u>	<u>\$123,750 00</u>	<u>\$770,727 50</u>

MATURITIES ON FUNDED DEBT, 1930

Class of Loan	Jan. 1, 1930	April 1, 1930	July 1, 1930	Oct. 1, 1930	Total
City	\$2,000 00	\$6,000 00	\$7,000 00	.....	\$15,000 00
Sewers .....	.....	.....	.....	.....	16,000 00
Public Buildings	5,000 00	9,000 00	7,000 00	.....	16,000 00
Highway .....	.....	5,000 00	6,000 00	.....	28,000 00
Bridge .....	.....	15,000 00	13,000 00	.....	.....
Schoolhouse .....	.....	1,000 00	.....	.....	1,000 00
City Hall Additions	15,000 00	16,000 00	.....	\$13,000 00	44,000 00
High School .....	.....	.....	.....	8,000 00	8,000 00
Northern Traffic Route .....	.....	.....	61,000 00	.....	61,000 00
Total	\$22,000 00	\$52,000 00	\$94,000 00	50,000 00	50,000 00
				\$71,000 00	\$239,000 00

INTEREST REQUIREMENTS ON FUNDED DEBT, 1930

Class of Loan	Jan. 1, 1930	April 1, 1930	July 1, 1930	Oct. 1, 1930	Total
City	\$540 00	\$180 00	\$500 00	\$60 00	\$1,280 00
Sewers	755 00	1,437 50	755 00	1,261 25	4,208 75
Public Buildings	1,420 00	460 00	1,320 00	360 00	3,560 00
Highway	1,460 00	675 00	1,460 00	325 00	3,920 00
Bridge .....	.....	350 00	.....	332 50	682 50
Schoolhouse	4,200 00	7,340 00	3,900 00	7,020 00	22,460 00
City Hall Additions .....	.....	2,127 50	.....	2,127 50	4,255 00
High School	20,680 00	.....	20,680 00	.....	41,360 00
Northern Traffic Route .....	.....	11,250 00	.....	11,250 00	22,500 00
Total	\$29,055 00	\$23,820 00	\$28,615 00	\$22,736 25	\$104 236 25

MATURITIES ON FUNDED DEBT (SIX YEARS)

Class of Loan	1925	1926	1927	1928	1929	1930	Total
City	\$23,000 00	\$19,000 00	\$19,000 00	\$17,000 00	\$16,000 00	\$15,000 00	\$109,000 00
Sewers	20,000 00	21,000 00	20,000 00	18,000 00	17,000 00	16,000 00	112,000 00
Public Buildings	18,000 00	18,000 00	17,000 00	16,000 00	16,000 00	16,000 00	101,000 00
Highway	35,000 00	43,000 00	35,000 00	32,000 00	32,000 00	28,000 00	205,000 00
Bridge	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	6,000 00
Metropolitan Park	1,000 00	1,000 00	1,000 00	1,000 00	1,000 00	.....	5,000 00
City Hall Additions	8,000 00	8,000 00	8,000 00	8,000 00	8,000 00	8,000 00	48,000 00
Schoolhouse	45,000 00	45,000 00	45,000 00	44,000 00	44,000 00	44,000 00	267,000 00
High School .....	.....	.....	.....	50,000 00	61,000 00	61,000 00	172,000 00
Northern Traffic Route .....	.....	.....	.....	.....	.....	50,000 00	50,000 00
Total	\$151,000 00	\$156,000 00	\$146,000 00	\$187,000 00	\$196,000 00	\$239,000 00	\$1,075,000 00

INTEREST REQUIREMENTS ON FUNDED DEBT (SIX YEARS)

Class of Loan	1925	1926	1927	1928	1929	1930	Total
City	\$4,850 00	\$4,022 50	\$3,267 50	\$2,552 50	\$1,897 50	\$1,280 00	\$17,870 00
Sewers	5,506 25	7,168 75	6,346 25	5,583 75	4,876 25	4,208 75	33,690 00
Public Buildings	7,075 00	6,330 00	5,585 00	4,830 00	4,220 00	3,560 00	31,650 00
Highway	6,180 00	9,795 00	8,090 00	6,630 00	5,230 00	3,920 00	39,845 00
Bridge	857 50	822 50	787 50	752 50	717 50	682 50	4,620 00
Metropolitan Park	175 00	140 00	105 00	70 00	35 00	.....	525 00
Schoolhouse	31,360 00	29,560 00	27,760 00	25,980 00	24,220 00	22,460 00	161,340 00
City Hall Additions	5,855 00	5,535 00	5,215 00	4,895 00	4,575 00	4,255 00	30,330 00
High School .....	.....	.....	.....	36,500 00	42,550 00	41,360 00	121,410 00
Northern Traffic Route .....	.....	.....	.....	.....	.....	22,500 00	22,500 00
Total	\$61,358 75	\$63,373 75	\$57,156 25	\$87,843 75	\$89,321 25	\$104,226 25	\$463,780 00

BORROWING CAPACITY DECEMBER 31, 1929

Valuation 1927	\$116,406,900 00	
Supplementary	25,500 00	
		\$116,432,400 00
Valuation 1928	120,172,300 00	
Supplementary	46,850 00	
		120,219,150 00
Valuation 1929		118,840,900 06
Supplementary		
Motor Vehicle Excise Tax Commitments		7,047,440 00
		\$362,539,890 00
Total three years		
Abatements 1927	671,191 00	
Abatements 1928	682,243 00	
Abatements 1929	455,350 00	
Motor Excise Tax 1929	319,400 00	
		2,128,184 00
		\$360,411,706 00
Average valuation three years ....	..	120,137,235 33
Two and one-half per cent		3,003,430 88
Present debt within limit		2,148,000 00
		\$855,430 88
Borrowing capacity December 31, 1929		
Maturities:—		
January 1	22,000 00	
April 1	52,000 00	
July 1	94,000 00	
October 1	\$71,000 00	
Less outside limit	50,000 00	21,000 00
		189,000 00
		\$1,044,430 88

ABATEMENTS SPECIAL ASSESSMENTS PRIOR YEARS

Charges:		
Street Sprinkling 1928		\$22 80
Credit:		
Excess and Deficiency		22 80

WATER CHARGES 1928 ABATED

Charges:		
Metered Rates Abated		18 18
Credit:		
Excess and Deficiency		18 18

TELLERS OVERS AND SHORTS

Charges:		
Shorts		51 67
Credits:		
Appropriations from Excess and Deficiency		51 67

STATE INCOME TAXES

Credit:		
Cash from Commonwealth Account 1928	\$ 24,400 49	
Cash from Commonwealth Account 1929	459,764 37	
	<hr/>	\$484,164 86
Charges:		
Revenue 1928	\$ 24,400 49	
Estimate 1929	381,903 06	
Excess and Deficiency	77,861 31	
	<hr/>	\$484,164 86

CORPORATION TAXES

Credit:		
Cash from Commonwealth, 1929		153,000 52
Charges:		
Estimate 1929	135,000 00	
Excess and Deficiency	18,000 52	
	<hr/>	153,000 52

NATIONAL BANK TAX

Credits:		
Cash from Commonwealth		2,609 04
Charges:		
Estimate 1929	1,500 00	
Refunds Prior Years	2 88	
Excess and Deficiency	1,106 16	
	<hr/>	2,609 04

SALE OF LAND

Credit:

Balance from 1928 Account	\$242 51
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Charges:

Balance to 1930 Account	242 51
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TAX TITLES

Charges:

Balance from 1928 Account	\$	1,541 14	
Taxes 1928		9,106 16	
Taxes 1929		7,483 87	
Tax Interest 1928		740 26	
Tax Interest 1929		3 60	
Land Court Fees		114 75	
Recording		64 00	
Audit Adjustment		69 85	\$ 19,123 64

Credits:

Sales	1,965 23	
Fee Returned	9 25	
Balance to 1930 Account	17,149 16	19,123 64

TAILINGS

Credits:

Balance from 1928 Account	838 78
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Charges:

Balance to 1930 Account	838 78
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PREMIUMS ON BONDS

Credits:

Balance from 1928 Account	1,606 00	
Bond issue October 1, 1929	4,600 00	
		6,260 00

Charges:

General Appropriations	1,606 00	
Balance to 1930 Account	4,600 00	6,260 00

ACCRUED INTEREST ON BONDS

Credits:

Balance from 1928 Account	953 33	
Cash received	1,062 50	
		2,015 83

Charges:

General Appropriations	953 33	
Balance to 1930 Account	1,062 50	2,015 83

SPECIAL ASSESSMENTS RESERVED

Credits:

Balance from 1928 Account	\$ 9,191 91
Street Sprinkling Assessment	48,450 00
Highway Betterment Assessment	55,309 34
Sidewalk Assessments	7,617 48

\$120,568 73

Charges:

Abatements, Sidewalks	770 12
Abatements, Highways	1,803 25
Estimated Revenue	74,372 46
Apportioned Sewers	249 86
Apportioned Highways	26,381 75
Apportioned Sidewalks	1,579 51
Balance to 1930 Account	15,411 78

120,568 73

REDEMPTION OF TAX TITLES

Credits:

Cash Received	3,950 61
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Charges:

Cash paid, titles redeemed	3,950 61
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OVERLAY ACCOUNTS**Overlay 1927**

Credits:

Balance from 1928 Account	\$225 94
Adjustment account taxes	2 00

\$227 94

Charges:

Abatements	45 76
Balance to Reserve Fund	182 18

227 94

Overlay 1928

Credits:

Balance from 1928 Account	\$13,853 33
Tax paid after abatement	14 52
Correction account tax abatement	106 00

\$13,973 85

Charges:

Abatements	7,722 60
Balance to Reserve Fund	6,251 25

13,973 85

OVERLAY 1929

Credits:

Taxes 1929	\$27,973 43
Taxes paid after abatement	18 00

\$27,991 43

Charges:

Abatements	14,767 34
Balance to 1930 Account	13,224 09

 27,991 43

RESERVE FUND, SURPLUS FROM OVERLAY

Credits:

Balance from 1929 Account	\$37,356 00
Balance from 1927 Overlay Account	182 18
Balance from 1928 Overlay Account	6,251 25

 \$43,789 43

Charges:

Balance to 1930 Account	43,789 43
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EXCESS AND DEFICIENCY

Credits:

Balance from 1928 Account	\$328,709 06
Refunds 1928 Account	707 25
Refunds 1929 Account	8 57
Adjustment account tax titles, audit	69 85
Tax Title Revenue	1,802 70
Adjustment, account State Aid, 1928	6 00
Motor Vehicle Excise Tax	32,888 23
Estimated Revenue	123,801 87

 \$487,993 53

Charges:

Outlay Appropriations	310,425 00
Tax Title Revenue	18,123 13
Abatements prior years	40 98
Adjustment, Military Aid	30 00
Balance to 1930 Account	159,374 42

 \$487,993 53

CLASSIFICATION OF RECEIPTS AND EXPENDITURES

RECEIPTS

GENERAL REVENUE

Taxes:—

Taxes 1929	\$2,589,499 44
Taxes 1928	715,138 76
Taxes 1927	182 18
Automobile Excise	149,672 83

From State:—

Corporations 1929	153,000 52
National Bank, 1929	2,609 04
Street Railway, 1929	14,057 87
Income, 1928	24,400 49
Income, 1929	459,764 37

Licenses and Permits:—

Licenses:—

Dealers in Motor Vehicles	1,125 00
Amusement	542 00
Junk	660 00
Milk	536 00
Pool, Billiards and Bowling	346 00
Sunday	1,360 00
Bus, Taxi Drivers	1,596 00
Pedlers	1,112 00
All Other	1,406 56

Permits:—

Marriage	1,247 00
Buildings	1,600 00
Electrical Department	3,372 00
All Other	1,208 50

Fines and Forfeits:—

Court Fines	14,372 34
Departmental	311 25

Grants and Gifts:—

From State:—

Vocational School	14,382 71
Continuation School	4,262 93
Americanization	3,076 62
Smith-Hughes	4,226 49
Outside Tuition	4,941 62

From County:—

Dog Licenses	2,717 80
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From Individuals:—

Sarah Winslow Fox	401 38
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All Other General Revenue:—

Miscellaneous	2,039 88	
Electrolysis	500 00	
Total General Revenue		\$4,175,669 58

Commercial Revenue, Special Assessments**For Expenses:—**

Street Sprinkling 1929	\$36,791 02	
Street Sprinkling Previous Years	10,337 70	
Apportioned Sewers	101 50	
Apportioned Sidewalks	119 25	
Apportioned Highways	3,126 04	
Unapportioned Sewers	100 00	
Unapportioned Sidewalks	2,256 74	
Unapportioned Highways	4,473 64	

For Outlays:—

Sidewalks 1928	2,993 55	
Sidewalks 1929	2,608 32	
Highways 1929	8,217 82	

Total Commercial Revenue—

Special Assessments	\$71,125 58
---------------------------	-------------

Commercial Revenue Departmental**General Government:—**

Treasurer,—Fees	\$ 689 00	
Costs	5,679 79	
Assessors	11 00	
City Clerk	2,211 20	
Commissioner of Buildings	28 50	
Appeal Fees	330 00	
Election Commission	88 55	

Protection of Persons and Property:—

Fire,—Sale of Materials	14 80	
Electrical Department	103 00	
Sealer of Weights and Measures	983 36	

Health and Sanitation:—

Contagious Hospital	3,363 20	
Health Department	505 93	
Inspection	1,548 25	
Dental Clinic	565 07	
Collection of Ashes and Waste	1,203 70	
Incinerator	400 00	
Sanitary Buildings	688 58	
All Other Sanitation	14 10	
Sales	1 91	

Highways:—

Labor and Materials	7,665 33
All Other	5 00
For Outlays	142 79
Street Sprinkling	15 00
Buildings	51 15

Charities:—**Almshouse:—**

Sale of Produce	1,346 32
Board	5,977 85
All Other	153 75

Outside Relief:—

Individuals	810 61
Cities and Towns	19,041 16
State	3,351 28

Mothers' Aid:—

Cities and Towns	1,954 18
State	28,102 53

Soldiers' Benefits:—

State Aid	3,954 00
Military Aid	2,482 50
Soldiers' Burials	284 00

Education:—

Tuition, State	4,462 83
Other Tuition	15,964 12
Vocational Education	1,926 76
School Department, Miscellaneous	3 52
High School Hall, Gymnasium—Rental	135 00
School Buildings, Rental	577 63

Libraries:—

Fines, Lost Books, etc.	2,806 49
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Recreation:—

Shower Baths	538 55
Bathhouse	399 70

Unclassified:—

Miscellaneous	190 39
Tax Titles	19 77

Total Commercial Revenue—

Departmental	
--------------------	--

\$120,792 15

Commercial Revenue, Public Service

Enterprises

Water Department:—

Sale of Water:—

Metered 1929	\$214,316 45
Metered, Commercial	152,677 17
Metered Previous Years	18,311 41
Prior Years, Commercial	10,845 15
Additional	2,309 62
Service Assessments	5,573 41
Maintenance Bills	10,051 56

Total Commercial Revenue—

Public Service Enterprises \$414,084 77

Commercial Revenue, Interest

Certificates of Deposit	\$20,125 37
Taxes	24,457 26

Special Assessments:—

Apportioned	443 39
Unapportioned	279 15
General	53 89

Trust Funds:—

School	230 30
Library	1,103 79
Poor	75 68
Miscellaneous	33 80

Total Commercial Revenue, Interest

\$46,802 63

Municipal Indebtedness

Temporary Loans	\$2,595,000 00
Northern Traffic Route	500,000 00
Premiums	4,600 00

Total Municipal Indebtedness

\$3,099,600 00

Agency, Trust and Investment

Agency:—

Northern Traffic Artery:—

Assessments	\$577 95
Interest	8 73
Redemption Tax Titles	3,950 61

Trust and Investment:—

Library, Pitman	5,000 00
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Total Agency, Trust and Investment

\$9,537 29

Refunds

General Appropriations	\$1,370 23	
General Appropriations, Prior Years	715 82	
Outlay Appropriations	266 63	
Soldiers' Benefits	1,484 10	
All Other	1,662 50	
	<hr/>	
Total Refunds		\$5,499 28
		<hr/>
Total Receipts		\$7,943,111 28

EXPENDITURES

General Government

	Expenses	Outlays
Board of Aldermen Expenses		
Salaries of members.....	6,300 00	
Books, postage and supplies	261 05	
Printing and advertising....	2,353 75	
Refreshments	1,977 68	
Badges	8 40	
Gavel	21 22	
Bill Books	147 00	
Flowers	40 00	
All other	10 87	
	<hr/>	11,119 97
Clerk of Committees Department		
Salaries and Wages:—		
Clerk	2,800 00	
Assistant Clerk	1,114 54	
Assistant at Board Meetings	135 00	
Other Expenses:—		
Books, postage and supplies	92 65	
Printing and advertising	5 25	
Telephone	98 72	
	<hr/>	4,246 16
Executive Department		
Salaries and Wages:—		
Mayor	7,000 00	
Secretary	1,800 00	
Clerk	1,517 41	
Other Expenses:—		
Auto Maintenance	400 00	
Books, postage and supplies	267 28	
Printing and advertising	78 00	
Telephone	174 61	
Contingent Expenses	637 38	
Inauguration Expenses	20 06	
All other	57 09	
	<hr/>	11,951 83
Auditing Department		
Salaries and Wages:—		
Auditor	4,500 00	
Clerks	2,994 43	
Other Expenses:—		
Books, postage and supplies	196 75	
Printing and advertising	465 75	
Telephone	78 48	
Binding	48 00	
Equipment and repairs	12 00	
All other	16 23	
Special Item:—		
Typewriter	97 60	
	<hr/>	8,409 24

Expenses

Outlays

Treasury Department

Salaries and Wages:—

Treasurer and Collector....	4,500 00
Deputy Collector	2,550 00
Cashiers	3,348 12
Clerks	15,142 35
Tax Investigator	539 00

Other Expenses:—

Books, postage and supplies	4,642 77
Printing and advertising	1,182 73
Telephone	222 22
Bonds	1,076 84
Brink's Express	211 00
All other	152 64

Special Items:—

Convention Expenses	145 92
Mailing machine	436 10
Totalizer	55 00
Insurance	115 44

 34,320 13
Assessors' Department

Salaries and Wages:—

Chairman	3,500 00
Assessors	6,800 00
Assistant Assessors	175 00
Clerks (Office)	10,942 77

Other Expenses:—

Books, postage and supplies	1,224 64
Printing and advertising....	2,377 68
Carfares, Disbursements and Auto Hire	81 77
Telephones	67 44
All other	53 71

Special Item:—

Accounting machine	2,810 00
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 28,033 01
Licensing Commission

Salaries and Wages:—

Commissioners	900 00
Secretary	300 00
Inspector	200 00
Assistant	223 36
Clerk	1,330 25

Other Expenses:—

Books, postage and supplies	95 50
Refreshments	43 25

 3,092 36

		Expenses	Outlays
Pedlars' License Commission			
Books, postage and supplies	20 06		
Scale	7 50		
	<hr/>	27 56	
Certification of Notes and Bonds			
Certifying	1,070 00		
	<hr/>	1,070 00	
City Clerk's Department			
Salaries and Wages:—			
City Clerk	3,772 30		
Assistant City Clerk	1,958 45		
Clerks	8,397 79		
Other Expenses:—			
Books, postage and supplies	576 54		
Printing and advertising....	352 25		
Binding	30 25		
Equipment and repairs	72 18		
Telephone	283 27		
Bonds	21 18		
All other	56 70		
Special Items:—			
Typewriters	101 25		
Stamping Machine	34 30		
Time Stamp	58 25		
	<hr/>	15,714 71	
Registration of City Laborers			
Salaries and Wages:—			
Registration Clerk	450 00		
Other Expenses:—			
Stationery and postage	33 35		
	<hr/>	483 35	
Law Department			
Salaries and Wages:—			
City Solicitor	3,300 00		
Assistant City Solicitor	1,400 00		
Inspector	100 00		
Other Expenses:—			
Books, postage and supplies	181 70		
Clerical Hire	186 90		
Telephone	50 00		
Fees	22 60		
Photos	15 00		
Recording	9 56		
	<hr/>	5,265 76	

	Expenses	Outlays
City Messenger's Department		
Salaries and Wages:—		
Messenger	2,900 00	
Other Expenses:—		
Stationery and postage	4 00	
Auto Maintenance	800 00	
Telephone	26 39	
Carfares	26 40	
	<hr/>	3,756 79
Engineering Department		
Salaries and Wages:—		
City Engineer	4,200 00	
Assistants	9,505 37	
Clerks	1,488 58	
Other Expenses:—		
Supplies, printing and postage	336 91	
Telephone	106 83	
Auto Maintenance	905 00	
Instruments and equipment	39 20	
Carfares	59 15	
All other	5 16	
Special Items:—		
Special Survey	318 50	
Investigation Expenses	40 00	
	<hr/>	17,004 70
Public Buildings Department, Commissioner of Public Buildings		
Salaries and Wages:—		
Commissioner	3,800 00	
Building Inspector	2,504 00	
Inspector of Plumbing	2,400 00	
Clerks	2,973 50	
Other Expenses:—		
Books, postage and supplies	318 00	
Printing and advertising	100 25	
Telephone	167 00	
Binding	17 50	
Auto Maintenance	666 37	
All other	10 49	
Special Item:—		
Typewriter	73 75	
	<hr/>	13,030 86

Expenses

Outlays

**Public Buildings Department,
Maintenance Municipal Buildings**

Salaries and Wages:—

Janitors	5,553 86
Labor	932 28

Other Expenses:—

Light	1,566 73
Furniture and furnishings	1,845 12
Janitors' supplies	553 82
Repairs to buildings	369 82
Heating apparatus and equipment	123 40
Hardware and materials....	135 56
Ice	193 80
All other	1 85

Special Items:—

Painting Mr. Carson	500 00
Vault Door	115 00

 11,891 24
Board of Appeal

Salaries and Wages:—

Chairman	240 00
Secretary	250 00
Asst. Secretary	798 74
Members of Board	730 00

Other Expenses:—

Printing and advertising	55 00
Supplies and postage	60 75

 2,134 49
Board of Election Commissioners

Salaries and Wages:—

Commissioner	2,186 13
Registrars	1,445 27
Clerks	3,106 19

Other Expenses:—

Stationery, postage and supplies	586 23
Printing and advertising	3,026 56
Telephone	47 95
Maps	185 00
Refreshments	216 55
Car hire	324 50
Registers	95 06
Posting	68 74
All other	41 04

Special Item:—

Clock	65 00
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 11,394 22

Expenses

Outlays

Election Expenses, Pay of Election**Officers****Salaries and Wages:—**

Warden and Clerks	1,736 00	
Inspectors	2,976 00	
	<hr/>	4,712 00

**Public Buildings Department,
Maintenance Polling Places**

Labor	454 19	
Teaming	218 50	
Fuel and Light	36 65	
Rent Halls	75 00	
Repairs buildings	94 76	
Hardware and materials	35 97	
Lumber	20 45	
Equipment	307 15	
All other	1.25	
	<hr/>	1,243 92

PROTECTION OF PERSONS AND PROPERTY**Police Department****Salaries and Wages:—**

Chief	3,654 26	
Captains and Lieutenants	25,712 17	
Sergeants and Inspectors....	22,500 00	
Patrolmen	242,483 22	
Matrons	1,348 38	
Other employees	138 81	

Equipment and Repairs:—

Motorcycle and auto main- tenance	2,102 73	
New Equipment	75 32	
Equipment for men	1,484 90	
Miscellaneous supplies	121 28	

Other Expenses:—

Books, printing, postage and supplies	447 98	
Care of prisoners	520 32	
Telephone	857 94	
Laundry	78 14	
Bedding	106 50	
Care of Traffic Stands	6 88	
Travel and disbursements	2,012 60	
Reimbursements for in- juries	557 50	
Express	3 96	
All other	5 73	
	<hr/>	

Carried forward	304,218 62
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		Expenses	Outlays
Brought forward	304,218	62	
Special Items:—			
Motorcycles	540	00	
Convention Expenses	173	66	
Counters	36	12	
Typewriter	10	00	
Painting Patrol	175	00	
Auto	581	00	
			305,734 40

**Public Buildings Department,
Maintenance Police Buildings**

Salaries and Wages:—			
Janitors	2,941	78	
Labor	463	06	
Maintenance of Buildings:—			
Fuel	699	68	
Light	1,277	00	
Janitors' supplies	88	60	
Furniture and furnishings	526	57	
Repairs to buildings	382	83	
Heating apparatus and equipment	67	78	
Hardware and materials....	140	07	
Plumbing and supplies	58	56	
Ice	55	26	
Care of Grounds	205	08	
All other	25	75	
			6,932 02

Fire Department

Salaries and Wages:—			
Chief Engineer	2,841	93	
Asst Engineers	8,800	00	
Firemen	300,767	24	
Equipment and Repairs:—			
Apparatus and equipment	4,234	35	
Hose	1,213	27	
Equipment for Men	21	78	
Power	8	49	
Hardware, tools, etc.	284	14	
All other'		70	
Other Expenses:—			
Books, printing, postage and supplies	97	13	
Telephone	923	64	
Reimbursements	102	00	
Janitors' supplies	436	34	
Furnishings	159	38	

Carried forward 319,890 39

		Expenses	Outlays
Brought forward	319,890	39	
Laundry work	628	02	
Ice	217	84	
Express and all other	37	72	
Supplies:—			
Grease and oil	108	75	
Gasoline	1,194	30	
Soda and acid	209	25	
All other	2	38	
Special Item:—			
Reimbursements for Court Judgement and accident claim	4,250	00	
			326,538 65
Public Buildings Department,			
Maintenance Fire Buildings			
Salaries and Wages:—			
Labor	1,878	66	
Other Expenses:—			
Fuel	2,522	18	
Light	3,366	87	
Furniture and furnishings	119	15	
Repairs to buildings	540	91	
Janitors' supplies	64	88	
Heating apparatus and other equipment	673	55	
Plumbing supplies	313	28	
Hardware and materials	378	23	
Teaming	88	95	
All other	8	53	
Special Item:—			
Paving Union Square Stat- ion	325	00	
			10,280 19
Fire Department, Additional			
Apparatus			
Apparatus	8,500	00	
			8,500 00
Weights and Measures Department			
Salaries and Wages:—			
Sealer	2,600	00	
Assistant	1,896	00	
Miscellaneous Labor	4	13	
Carried forward	4,500	13	

		Expenses	Outlays
Brought forward	4,500	13	
Other Expenses:—			
Books, stationery and postage	60	25	
Printing and advertising	52	50	
Equipment and supplies	53	18	
Telephone	55	29	
Auto Maintenance	272	04	
All other	56		
			4,993 95

Electrical Department

Salaries and Wages:—

Commissioner	3,300	00
Assistant Inspectors	3,637	33
Clerk	1,309	00
Labor	15,050	50

Other Expenses:—

Fire Alarm System	2,771	87
Police Signal System	521	51
Auto Maintenance	1,073	18
Telephone	199	34
Books, printing, postage and supplies	110	51
Equipment and repairs	107	88
All other	102	56

Special Item:—

Truck	1,693	00
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29,876 68

Public Buildings Department, Maintenance Electrical Department Building

Janitor	1,299	71
Fuel	401	44
Light	98	10
Furniture and furnishings....	35	42
Repairs to buildings	421	00
Heating apparatus and equipment	10	82
Janitors' supplies	6	50

2,272 99

Underground Construction

Contract Labor	42	81
Cable and Wire	31	27
Castings	44	88
Posts	538	65
Miscellaneous supplies	17	20

674 81

Expenses

Outlays

Highways, Suppression of Moths

Labor	4,359 18	
Printing, stationery and postage	12 25	
Hired teams and trucks	416 25	
Hardware, tools and equipment	99 27	
Insecticides and Spraying	141 93	
Materials and supplies	11 34	
	<hr/>	5,040 22

Highway Department, Care of Trees

Labor	6,907 56	
Brick, stone, cement and ashes	329 36	
Teams and trucks	1,563 09	
Equipment and tools	157 11	
Lumber and materials	19 40	
Use of steam roller	14 50	
All other	88	
	<hr/>	8,991 90

HEALTH AND SANITATION**Health Department****General Administration:—**

Agent	2,150 00
Clerks	3,830 25
Medical Inspector and Bacteriologist	3,200 00
Acting Medical Inspector....	180 00
Technician	750 00
Health Nurses	4,180 38
Books, printing and postage	287 22
Carfares, etc.	460 54
Telephone	397 81

Quarantine and Contagious Diseases:—

Cities and Towns	2,005 75
Other Institutions	275 10
Groceries	46 71
Nursing	112 50
All other	1 95

Tuberculosis:—

Board and Treatment:—	
Cities and Towns	3,466 76
State	3,788 19
Other Institutions	114 85
Groceries and Provisions....	26 00

Carried forward	<hr/>	25,274 01
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		Expenses	Outlays
Brought forward	25,274	01	
Other Expenses:—			
Medicine and Medical At-			
tendance	67	95	
Equipment and supplies....	118	83	
Auto and ambulance main-			
tenance	842	17	
Burying dead animals	75	25	
All other	31	82	
Special Item:—			
Convention Expenses	167	62	
			26,577 65
City Clerk's Department, Vital			
Statistics			
Canvassing and reporting			
births	796	50	
Reporting deaths	155	50	
Printing and Advertising	91	00	
Postage and supplies	10	42	
All other		35	
			1,053 77
Contagious Hospital			
Salaries and Wages:—			
Matron	1,211	88	
Nurses and other help	10,022	60	
Other Expenses:—			
Medical Attendance	100	00	
Drugs and Medicines	207	33	
Bedding, dry goods and			
clothing	22	94	
Groceries and provisions	4,893	39	
Equipment and supplies	543	60	
Telephone	88	16	
Electrical Power	121	05	
Ice	104	34	
Laundry and all other	45	60	
			17,360 89
Public Buildings Department,			
Maintenance Contagious Hospital			
Salaries and Wages:—			
Janitor and Labor	852	69	
Other Expenses:—			
Fuel	1,405	96	
Light and Power	637	26	
Furniture and furnishings	17	65	
Repairs to buildings	138	11	
Janitors' supplies	12	62	
Carried forward	3,064	29	

		Expenses	Outlays
Brought forward	3,064 29		
Heating apparatus and equipment	234 21		
Plumbing and supplies	64 49		
Hardware and materials	79 90		
All other	16 68		
	<hr/>	3,459 57	
Inspection of Animals and Provisions			
Salaries and Wages:—			
Inspector	2,600 00		
Other Expenses:—			
Telephone	39 30		
Auto maintenance	275 00		
	<hr/>	2,914 30	
Inspection of Milk and Vinegar			
Salaries and Wages:—			
Inspector	3,200 00		
Milk Collector and Dairy Inspector	2,150 00		
Technician	750 00		
Other Expenses:—			
Books, printing and postage	53 26		
Auto maintenance	600 00		
Equipment and supplies....	318 10		
Dairy Inspection	266 24		
All other	13 23		
	<hr/>	7,350 83	
Inspection of School Children			
Salaries and Wages:—			
Inspectors	4,430 00		
Other Expenses:—			
Books, printing, postage and supplies	635 33		
Disbursements and car-fares	89 94		
	<hr/>	5,155 27	
School Nurses' Salaries			
Salaries and Wages:—			
Nurses	3,655 22		
	<hr/>	3,655 22	

	Expenses	Outlays
Sewers Construction		
Salaries and Wages:—		
Labor	2,058 99	
Other Expenses:—		
Teaming	58 25	
Pipe and fittings	1,777 04	
Brick and cement	458 49	
Sand	52 80	
Castings	929 03	
Other materials	283 01	
Contract Work:—		
Constructing sewers, drains and catch basins	13,832 47	
All other	33 14	
		19,483 22

Engineering Department, Sewers**Maintenance****Salaries and Wages:—**

Labor 16,352 65

Other Expenses:—

Auto Maintenance 865 07

Teaming 5,690 76

Tools and equipment 314 40

Pipe and fittings 8 34

Contract Labor 727 58

Brick and Cement 4 88

Other materials and sup-
plies 62 50

Castings 7 75

Catch basins:—

Repairing 151 12

Care of Medford Street

pump 302 10

Telephone 73 06

Power 5 50

All other 67

Special Items:—

Trucks 2,284 00

Catch Basin Cleaner 4,500 00

31,350 38

Public Buildings Department,**Maintenance Sewer Buildings****Salaries and Wages:—**

Labor 94 56

Other Expenses:—

Fuel 89 67

Light 45 08

Repairs to building 4 00

Lumber and materials 4 82

238 13

Expenses

Outlays

Tannery Brook Drain Construction

Labor	949 79
Printing and advertising....	122 30
Contract	15,485 00
Pipe and fittings	550 99
Castings	156 94
Lumber	99 60
Miscellaneous supplies	12 85
All other	53 25

17,430 72

Sanitary Department

General Administration:—

Superintendent	2,700 01
Bookkeeper	400 00
Printing and stationery....	53 17
Telephone	49 64
Auto Maintenance	932 55

Ashes, Rubbish and Garbage:—

Labor	101,008 24
Hired teams and trucks....	65,054 31
Equipment and repairs	649 98
Rent of dump	2,259 00
Materials and supplies	66 65
Garbage contract	48,050 00

Stable Expenses:—

Shoeing	347 95
Stable equipment	282 80
Veterinary and medicine....	37 00
Board of horses	1,404 00
All other	13 00

Special Item:—

Care of dump	3,640 00
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226,948 30

**Public Buildings Department,
Maintenance Sanitary Buildings**

Labor	325 76
Light	149 61
Lumber and materials	89 92
Plumbing and supplies	54 23
Heating apparatus and equipment	83 99
Repairs to buildings	201 38
All other	2 85

Special Item:—

Fence	141 02
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1,048 76

	Expenses	Outlays
Highways, Street Cleaning		
Labor	22,180 04	
Hired teams and trucks	4,214 80	
Sweeper Maintenance	2,144 11	
Supplies	57 11	
Gasoline	460 16	
	<hr/>	
	29,056 22	

HIGHWAYS**Highway Maintenance****General Administration:—**

Commissioner	3,800 00
Bookkeeper and Clerk	3,907 26
Books, printing, postage and supplies	193 92
Telephone	277 45
Maintenance Commission- er's Auto	143 57
All other	9 90

General:—

Labor	81,147 79
Hired Teams and Trucks	1,369 75
Tools, equipment and re- pairs	2,200 97
Autos and supplies	7,062 86
Broken stone, gravel, etc.	2,894 38
Edgestone, bricks and cement	3,948 89
Lumber	114 69
Cold Patch and Binder	2,695 65
Fuel	209 40
Oil and waste	1,070 87
Steam rollers	108 11
Hardware, paint and var- nish	1,894 59
Other materials and sup- plies	1,167 65
Hay, grain and straw.....	6,094 75
Shoeing	401 98
Veterinary and medicine....	73 52
Harnesses and horse cloth- ing	245 44
Special Street Repairs	197 72
Power	235 73
All other	3 86

Other Expenses:—

Traffic Lights and Signs..	619 78
Repairs to Subways	15 00

Special Items:—

Trucks	1,594 00
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Carried forward	123,699 48
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Expenses

Outlays

Brought forward 123,699 48

Rent of R. R. Track and
Land 13 50
Installing Traffic Signals 1,514 00
Repairs Fence 107 00
Tractors and plow 900 00

126,233 98

Less Service Transfers for
teaming, use of mixer and
roller, horses and mater-
ials 29,163 09

97,070 89

Highway Construction, New Streets

Labor 13,079 47
Hired teams and trucks 2,470 13
Use of roller 425 00
Mixer 111 50
Contracts 26,272 83
Tarvia 4,098 53
Advertising, Recording, etc. 76 71
Edgestone, crushed stone
and circles 11,465 33
Other materials 504 73
Rent skimmer 276 20

58,780 43

**Highway Construction, Permanent
Pavement**

Labor 1,831 64
Contracts 127,065 93
Hired teams and trucks 252 37
Claims 37,150 00
Survey 225 00
Miscellaneous materials 268 98
Brick, stone and cement 279 63
Mixer 20 50

167,094 05

**Highway, Reconstruction and
Resurfacing**

Labor 10,005 63
Hired teams and trucks 2,112 14
Use of roller 1,411 00
Tools and equipment 267 50
Road Binders 6,016 70
Brick, stone and cement 5,707 50
Other materials 22 60
Sand and ashes 8 81

25,551 88

	Expenses	Outlays
Sidewalks Construction		
Labor	7,489 19	
Hired teams and trucks	1,271 12	
Stone, brick and cement	1,286 43	
Ashes and sand	1,024 63	
Edgestone	852 75	
Mixer	157 50	
Other materials	184 89	
Recording	8 36	
		12,274 87
Sidewalks Maintenance		
Labor	13,857 26	
Hired teams and trucks	2,892 63	
Stone, brick and cement	3,598 56	
Other materials and supplies	1,075 48	
Use of mixer	233 50	
Sand	191 25	
		21,848 68
Street Sprinkling		
Labor	9,447 34	
Hired teams and trucks	2,021 63	
Equipment and repairs	85 45	
Gasoline	283 56	
Oil and other dust layers	11,626 83	
Maintenance water posts and hydrants	257 44	
Use of car sprinkler	5,850 00	
Gravel and sand	2,384 13	
All other	4 50	
Use tractors	127 50	
		32,088 38
Street Lighting		
Electricity	82,640 38	
Spot Lights	190 22	
Traffic Signals	168 77	
Installing Light — Carr School	117 93	
		83,117 30
Public Buildings Department, Maintenance Highway Buildings		
Labor	144 87	
Fuel	1,278 70	
Light	242 44	
Hardware and materials	9 28	
Lumber	57 99	
Plumbing supplies	7 20	
Repairs to buildings	230 19	
Carried forward	1,970 67	

	Expenses	Outlays
Brought forward	1,970 67	
Heating apparatus and equip- ment	48 46	
Furniture and furnishings..	2 40	
All other	5 25	
Special Items:—		
Insurance	61 98	
Smoke Pipe	120 00	
	<hr/>	2,208 76

Garage, City Stables

General Construction	416 80	
Plastering	395 00	
Wiring and Fixtures	202 00	
Installing Heating and Smoke Stack	1,650 00	
Carpenter Work	299 96	
Hardware	121 14	
Lumber	5 67	
Columns	130 24	
	<hr/>	3,220 81

CHARITIES**Welfare Department, Miscellaneous****General Administration:—**

Agent	2,900 00
Clerks	2,832 92
Books, printing, postage and supplies	183 88
Telephone	144 73
All other	13 00

Outside Relief:—

City Physician	2,550 00
Assistant City Physician...	788 88
Auto Maintenance	200 00
Board and care	1,205 48
Cash	73,773 10
Cash Allowance	2,673 62
Groceries and provisions...	9,300 67
Dry Goods and Clothing ...	83 85
Medicine and medical at- tendance	613 43
Nursing	60 00
State Institutions	9,100 89
Other Institutions	80 00
Somerville Hospital	10,000 00
Contagious Hospital	21 00
Burials	656 54
All other	7 45

Carried forward 117,189 44

	Expenses	Outlays
Brought forward	117,189 44	
Relief by other Cities or Towns:—		
Cities	18,190 86	
Towns	2,185 98	
Mothers' Aid:—		
By City	35,987 07	
Other Cities or Towns	3,242 91	
Taxi and ambulance hire	72 00	
	<hr/>	176,868 26

Welfare Department, City Home**Salaries and Wages:—**

Warden and Matron	2,000 00
Domestic Labor	3,246 33
Farm Labor	1,414 00

Other Expenses:—

Auto maintenance	144 73
Groceries and provisions	3,849 50
Clothing	245 44
Medicine and hospital goods	55 83
Household furnishings and supplies	352 32
Farm equipment and supplies	371 16
Live stock and care	200 40
Hay, grain and feed	518 49
Horse shoeing	4 00
Seeds and fertilizer	110 86
Books, printing, stationery and postage	75
Telephone	74 73
Power	103 29
Disinfectant and Sprayer	165 31
All other	112 20

Special Items:—

Tractors	1,064 50
Cows	330 00

14,363 84
Public Buildings Department,**Maintenance City Home Buildings**

Labor	1,467 72
Fuel	906 35
Light and Power	307 54
Furniture and furnishings	662 52
Repairs to buildings	689 81
Plumbing and supplies	153 17
Heating apparatus and equipment	204 32
Hardware and materials....	141 27
All other	20 05

Special Items:—

Fence	870 78
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Carried forward 5,423 53

	Expenses	Outlays
Brought forward	5,423 53	
Sewing Machine	110 00	
Gas Range	312 32	
Repairs to Roof after Fire	239 57	
Shingling Barn and Shed	480 91	
	<hr/>	6,566 33

SOLDIERS' BENEFITS**Soldiers' Benefits, General Administration****Salaries and Wages:—**

Agent	300 00	
Clerk	1,330 24	
Other Expenses	28 18	
	<hr/>	1,658 42

Soldiers' Relief

Cash as per pay rolls	59,430 33	
Medicine and Medical Attendance	683 12	
Groceries	2,120 11	
	<hr/>	62,233 56

State Aid

Cash as per pay rolls	3,468 00	
	<hr/>	3,468 00

Military Aid

Cash as per pay rolls	5,536 50	
	<hr/>	5,536 50

Soldiers' Burials

Burials	111 50	
	<hr/>	111 50

EDUCATION**School Contingent****Salaries and Wages:—**

Superintendent	6,000 00	
Assistant Superintendent	4,000 00	
Clerks	10,786 57	
Truant Officer	2,200 00	
Other employees	437 02	

General Expenses:—

Stationery, postage and office supplies	823 03	
Telephones	1,918 68	
	<hr/>	

Carried forward	26,165 30	
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	Expenses	Outlays
Brought forward	26,165 30	
Auto maintenance:—		
Superintendent	401 50	
Asst. Superintendent	400 00	
Truant Officer	400 00	
Visiting Teacher	113 76	
Travel	173 67	
All other	264 48	
Textbooks and Supplies:—		
Text and reference books		
and Music	15,657 95	
Maps	171 78	
School supplies	14,984 81	
Equipment and repairs	1,020 88	
Manual Training Supplies	5,218 97	
Laboratory Supplies	256 35	
Other Expenses:—		
Support of Truants	696 59	
Diplomas and graduation	801 16	
Printing and advertising	2,816 43	
Power	921 25	
Binding	1,307 45	
Disbursements	541 89	
Catering	303 49	
Special Items:—		
Typewriters	4,460 00	
Musical Instruments	802 40	
Pupils Transportation	600 00	
Convention Expenses	232 12	
Portrait Mr. Clark	115 00	
Adding machines	523 32	
Scales	33 00	
Neostyle	60 00	
Test Bench and Motor	279 30	
	<hr/>	79,722 85
School Department, Outside Tuition		
Tuition:—		
City of Boston	8,713 82	
Other Cities	1,945 66	
	<hr/>	10,659 48
School Teachers' Salaries		
Day Schools	1,007,174 46	
Evening Schools	8,788 00	
	<hr/>	1,015,962 46
Public Buildings Department,		
Maintenance School Buildings,		
Janitors' Salaries		
Janitors' Salaries	89,035 39	
	<hr/>	89,035 39

Expenses

Outlays

Public Buildings Department,
Maintenance School Buildings
Fuel and Light

Fuel	27,261 05	
Light	18,490 59	
	<hr/>	45,751 64

Public Buildings Department,
Maintenance School Buildings
Buildings and Grounds

Labor	23,027 19	
Teaming	1,550 82	
Furniture and furnishings	3,656 69	
Janitors' supplies	3,365 18	
Laundry	1,313 66	
Repairs to buildings	5,560 19	
Heating apparatus and equipment	6,403 00	
Equipment and repairs	516 33	
Plumbing	1,857 71	
Glass, hardware and paint	6,152 85	
Lumber	369 67	
Other materials and supplies	298 48	
Care of grounds	2,096 29	
Flags and Flag Poles	146 40	
Auto maintenance	177 84	
Reimbursements	20 00	
Power	748 77	
Car Fares	129 13	
Fire Alarm Service	12 96	
All other	43 20	
Special Items:—		
Installing Wiring:—		
Boys' Vocational School	250 00	
Edgerly School	272 00	
Carr School	89 00	
Lowe School	1,683 00	
Fences	3,765 34	
Painting Interior Forster School	1,450 00	
Desks	128 00	
Window Shades	660 00	
Repairs Roof — Forster School	1,290 00	
Repairs Roof — Bingham School	925 00	
Moving Boilers	4,835 00	
Resurfacing School Yards	4,615 66	
Installing Sprinkler—High School	75 00	
	<hr/>	77,484 36

	Expenses	Outlays
High School Additions and Alterations		
Clerk of Works	2,827 50	
Architects' Services	9,846 75	
Construction Contract	251,427 20	
Heating System	34,805 96	
Furniture	14,791 55	
Refinishing desks	3,067 10	
Installing light fixtures	3,690 83	
Construction Driveway	15,493 48	
Construction Walks and		
Grading	9,332 56	
Miscellaneous Labor	1,923 80	
Lockers	17,783 49	
Teaming	492 00	
Lumber	117 45	
Blackboards	315 00	
Filling in—Annex	180 00	
Gymnasium Equipment	7,302 80	
Hardware	1,177 14	
Miscellaneous Equipment	45,804 89	
Cash Registers	690 42	
All other	398 13	
	<hr/>	421,468 05
Schoolhouse, Ten Hills		
Architect	3,690 14	
Test Borings	73 88	
Bond	893 78	
Insurance	205 13	
Labor	780 00	
Construction Contract	35,815 60	
Electrical Contract	1,048 05	
Installing Water Service	175 75	
Plumbing	2,444 60	
Heating	4,556 00	
Appraising	50 00	
	<hr/>	49,732 93
Southern and Western Junior High Schools		
Architect	15,000 00	
Labor	83 38	
	<hr/>	15,083 38
Addition, Southern Junior High School		
Surveying	165 00	
Appraising	265 00	
	<hr/>	430 00

Expenses

Outlays

SCHOOL TRUST FUNDS

S. Newton Cutler Fund

Books	114 00	
	<hr/>	114 00

Caroline G. Baker Fund

Christmas Celebration	15 00	
	<hr/>	15 00

Smith-Hughes Fund

School Teachers' Salaries....	5,958 00	
	<hr/>	5,958 00

Sarah Winslow Fox Fund

Investment	401 38	
	<hr/>	401 38

LIBRARIES

Central Library

Salaries and Wages:—

Librarian	3,800 00
Assistants	26,458 79

Other Expenses:—

Books	8,116 03
Periodicals	514 56
Music	36 11
Binding	2,006 24
Postage and office supplies	1,470 34
Printing and advertising	728 43
Telephone	266 12
Ice	69 75
Express	254 27
Rent	350 00
All other	29 04

Special Items:—

Typewriters	135 25
Convention Expenses	93 55
	<hr/>

44,328 48

Public Buildings Department,

Maintenance Central Library

Janitors	3,908 42
Labor	781 38
Fuel	708 48
Light	1,571 99
Furniture and furnishings	128 00
Janitors' supplies	86 28
Repairs to buildings	147 40
Hardware and materials	51 11
Plumbing	35 48
All other	8 50
	<hr/>

7,427 04

Expenses

Outlays

West Somerville Branch Library

Salaries and Wages:—

Assistants	7,387 74
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Other Expenses:—

Books	2,943 41
Periodicals	276 06
Music	23 89
Binding	543 92
Postage and office supplies	196 97
Printing and advertising	57 36
Telephone	51 07
Express	206 82
Ice	8 99

 11,696 23
**Public Buildings Department,
Maintenance West Somerville****Branch Library**

Janitor	1,743 72
Labor	189 45
Fuel	684 00
Light	555 86
Repairs to buildings and plumbing	25 85
Furniture and furnishings	5 00
Heating apparatus and equipment	18 94
Care of grounds	36 00
Hardware and materials....	25 66
All other	3 50

Special Item:—

Cutting down trees	179 00
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 3,466 98
East Somerville Branch Library

Salaries and Wages:—

Assistants	5,664 18
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Other Expenses:—

Books	1,893 43
Periodicals	123 34
Binding	447 75
Postage and office supplies	150 03
Printing and advertising	48 11
Telephone	50 47
Express	204 60
Ice	13 56

 8,595 47

Expenses

Outlays

Public Buildings Department,
Maintenance East Somerville

Branch Library

Janitors	1,457 71	
Labor	61 34	
Fuel	259 89	
Light	229 57	
Janitors' supplies	66	
Repairs to building and plumbing	6 00	
Care of Grounds	40 00	
All other	3 75	
	<hr/>	2,058 92

Union Square Branch Library

Salaries and Wages:—

Assistants	6,658 11
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Other Expenses:—

Books	2,049 48	
Periodicals	137 16	
Binding	575 33	
Postage and office supplies	184 93	
Printing and advertising	71 06	
Telephone	70 10	
Express	206 57	
	<hr/>	9,952 74

Public Buildings Department,
Maintenance Union Square Branch
Library

Janitor	1,457 71
Labor	77 57
Fuel	382 65
Light	290 51
Repairs to building and plumbing	1 50
Hardware and materials	5 11
Care of grounds	6 00
All other	7 50

Special Items:—

Removing Fence	20 00	
Fence	447 48	
Cutting down trees	84 00	
Repairs to Fence	195 82	
	<hr/>	2,975 85

PUBLIC LIBRARY TRUST FUNDS

S. Newton Cutler Fund

Books	41 59	
	<hr/>	41 59

		Expenses	Outlays
Martha R. Hunt Art Fund			
Books and pictures	74 41		
	<hr/>	74 41	
Martha R. Hunt Book Fund			
Books	483 30		
	<hr/>	483 30	
Isaac Pitman Art Fund			
Books	223 25		
Pictures	96 00		
Cabinet	30 00		
Interest on Bonds Purchased	80 63		
All other	67 25		
	<hr/>	497 13	
Isaac Pitman Poetry Fund			
Books	7 25		
	<hr/>	7 25	
Isaac Pitman Fund, Investment			
Investment	5,000 00		
	<hr/>	5,000 00	
Wilder Childrens' Fund			
Books	5 13		
	<hr/>	5 13	
Sarah Lorane Graves Fund			
Books	11 60		
	<hr/>	11 60	
Eunice M. Gilmore Fund			
Books	41 63		
	<hr/>	41 63	

RECREATION

Engineering Department, Parks

Maintenance

Labor	8,129 97
Teaming	256 50
Equipment and supplies	497 68
Trees, shrubs and plants ...	3,591 44
Repairs	311 20
Loam	32 00
Flags and Flag Poles	91 06
Care of bubblers and fountains	136 29
Contract work	134 44
All other	11 56
	<hr/>
Carried forward	13,192 14

		Expenses	Outlays
Brought forward	13,192 14		
Special Items:—			
Sidewalk Plow and Equip- ment	950 00		
Cutting Trees, — Powder House Boulevard	1,650 00		
Cleaning monument	256 24		
Fence	152 24		
Construction of Driveway	1,482 11		
Moving Hydrant	30 30		
Moving Poles and Repairs	400 00		
Flag Pole	200 00		
		18,313 03	

**Public Buildings Department,
Maintenance Park Buildings**

Labor	1,226 75
Teams	18 13
Fuel	761 47
Light	90 82
Repairs to buildings	15 05
Plumbing	99 07
Hardware and materials	75 54
Laundry and Janitors, sup- plies	223 29
Heating apparatus and equipment	122 37
All other	50 16

Special Item:—

Booth	75 00	2,757 65
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**Engineering Department, Playgrounds
Maintenance**

Labor	7,826 27
Teaming	343 50
Tools and equipment	385 69
Materials and supplies	632 28
Repairs to fountains, fen- ces and backstops	766 20
Repairing seats	673 00
Contract work	479 63
All other	20 84

Special Items:—

Construction Concrete Foot- ing	700 00	
Fences	2,275 23	14,102 64

	Expenses	Outlays
Recreation Commission		
Salaries and Wages:—		
Director	1,304 16	
Instructors and clerks	7,140 39	
Other Expenses:—		
Teams and trucks	208 88	
Automobile maintenance:—		
Director	183 34	
Automobile maintenance:—		
Instructors	81 80	
Equipment and supplies....	3,210 28	
Disbursements	77 26	
Office supplies	556 89	
Telephone	86 55	
Clerical Hire	13 35	
Music	85 80	
All other	84 70	
	<hr/>	13,033 40
Public Buildings Department,		
Maintenance Bathhouse		
Salaries and Wages:—		
Attendants and Labor	1,813 33	
Other Expenses:—		
Teams and trucks	36 50	
Sand	396 18	
Bathing suits	115 32	
Repairs to buildings	94 68	
Equipment and supplies	71 87	
Laundry	105 81	
Hardware and materials	18 52	
Towels	29 70	
All other	50	
	<hr/>	2,682 41
Celebrations		
Labor	56 12	
Music	929 00	
Decorating and Fireworks	2,051 76	
Entertainment	110 00	
Miscellaneous supplies	257 75	
Refreshments	332 42	
Teams and trucks	27 00	
Buses	85 50	
Flowers	25 00	
All other	6 07	
	<hr/>	3,880 62
Improvement, Walter Ernest Shaw		
Playground		
Labor	19 52	
Signs	5 00	
Hardware	22 90	
	<hr/>	

	Expenses	Outlays
Spanish War Memorial		
Monument	10,000 00	
		10,000 00

UNCLASSIFIED

Memorial Day		
Music and Catering	562 04	
Flowers and Flags	370 06	
All other	50 14	
		982 24

Municipal Documents		
Printing	4,876 48	
		4,876 48

Public Buildings Department, Maintenance Bandstand		
Labor	183 98	
Teaming	128 00	
Hardware and materials	38 90	
		350 88

Rifle Practice, Cos. A & B, 101st Engineers		
Use of Range	1,044 09	
Transportation	300 00	
Rent of Room	35 00	
		1,379 09

Quarters for George Dilboy Post, V. F. W.		
Rent	720 00	
		720 00

Quarters for American Legion		
Rent	1,000 00	
Expenses due to Moving	300 00	
		1,300 00

Quarters for Spanish War Veterans		
Rent	30 00	
		30 00

Municipal Buildings Insurance Fund		
Investment	10,000 00	
		10,000 00

Workmen's Compensation		
Compensation for Injuries	4,160 55	
Medical Attendance	1,535 53	
Supplies	7 00	
		5,703 08

		Expenses	Outlays
Pensions			
Engineering	473	36	
Janitors	2,575	20	
Police	14,208	28	
Fire	13,153	41	
Weights and Measures	8	90	
Welfare	850	00	
Laborers:—			
Highway	8,873	65	
Sanitary	12,257	94	
Water	2,985	24	
			55,385 98
Damage to Persons and Personal Property			
Settlement of Claims	5,533	42	
			5,533 42

MUNICIPAL INDEBTEDNESS

Interest**Temporary Loans:—**

Anticipation of Revenue.... 67,436 47

General Loans:—

Sewer	4,876	25	
Highway	5,230	00	
City	1,897	50	
Bridge	717	50	
Metropolitan Park	35	00	
Public Buildings	4,220	00	
Schoolhouse	24,220	00	
City Hall Additions	4,575	00	
High School Additions and Alterations	43,550	00	
			156,757 72

Reduction of Funded Debt**General Loans:—**

Sewer	17,000	00	
Highway	32,000	00	
City	16,000	00	
Bridge	1,000	00	
Metropolitan Park	1,000	00	
Public Buildings	16,000	00	
Schoolhouse	44,000	00	
City Hall Additions	8,000	00	
High School Additions and Alterations	61,000	00	
			196,000 00

Expenses

Outlays

WATER WORKS

Water Maintenance

Administration:—

Commissioner	3,800 00
Clerks	12,060 19
Books, printing, postage and supplies	2,026 16
Telephone	423 17
All other	7 40

General:—

Labor	56,145 93
Teams	25 00
Pipe and fittings	14,102 11
Meters and fittings	6,697 60
Hydrants and fittings	2,263 93
Tools	2,308 35
Autos, trucks and supplies	4,309 92
Horses and equipment	270 52
Power	22 13
Miscellaneous supplies	53 68
Street repairs	1,022 98
Contract labor	1,206 19
All other	123 85

Special Items:—

Convention Expenses	140 00
Rent of B. & M. Land and Tracks	13 50
Trucks	1,795 70

108,818 31

Less Service Transfer Credits for Teams, Use of Compressor, Hydrants and fittings, etc.

2,530 03

106,288 28

Water Works Extension

Labor	4,670 81
Hired teams and trucks	399 00
Pipe and fittings	13,302 77
Hydrants and fittings	2,187 34
Meters and fittings	1,174 45
Contract work	6,783 36
All other	17 88

28,535 61
Public Buildings Department,
Maintenance Water Buildings

Labor	70 52
Fuel	368 41

Carried forward 438 93

	Expenses	Outlays
Brought forward	438 93	
Light	352 36	
Lumber and materials	38 32	
Repairs to buildings	242 98	
Furniture and furnishings	38 40	
Heating apparatus and equipment	21 64	
Plumbing	171 33	
All other	6 19	
Special Item:—		
New Floor	295 00	
	<hr/>	1,605 15
Metropolitan Water Assessment		
Assessment	195,150 98	
	<hr/>	195,150 98

OTHER ACCOUNTS

Temporary Loans

Loans in anticipation of Revenue	2,495,000 00	
	<hr/>	2,495,000 00

Tax Titles

Taxes 1928	114 76	
Recording	64 00	
	<hr/>	178 76

State Taxes

State	146,880 00	
	<hr/>	146,880 00

Metropolitan and Other Assessments

Metropolitan Sewer Assessment	105,517 78	
Metropolitan Park Assessment	80,633 66	
Wellington Bridge Assessment	2,130 26	
State Highways	664 95	
Snow Removal	34 24	
Charles River Basin	11,791 64	
Alewife Brook	882 86	
Abatement of Smoke	385 90	
Prevention of Fire	1,265 29	
Northern Traffic Artery	7,812 00	
Southern Traffic Artery	744 12	
Cottage Farm Bridge	41,020 07	
Auditing	1,375 27	
Veterans' Exemption	168 16	
	<hr/>	254,426 20

	Expenses	Outlays
County of Middlesex		
County Tax 1929	167,126 77	
Special County Tax Tubercu- losis Hospital	19,324 11	
	<u>186,450 88</u>	
Cash Refunds		
Taxes	3,991 88	
Special Assessments	47 34	
Water	132 26	
Estimated Revenue	48 90	
All other	2 88	
	<u>4,223 26</u>	
Tellers' Overs and Shorts		
Short	51 67	
	<u>51 67</u>	

PRIVATE TRUST

Redemption of Tax Titles		
Tax Titles Redeemed	3,950 61	
	<u>3,950 61</u>	
		3,950 61
Northern Traffic Artery		
Assessment Collected	863 44	
Interest for Assessments	18 80	
	<u>882 24</u>	
		882 24
Northern Traffic Artery, City		
Assessments		
Assessments	500 000 00	
	<u>500,000 00</u>	
		500,000 00
Total	\$7,087,220 75	\$1,314,605 42
Refunds	3,554 33	
	<u>\$7,090,775 08</u>	
		\$1,314,605 42
Total Cash Payments		\$8,405,380 50

* Expenditures as shown in all accounts are net.

SCHEDULE OF PUBLIC PROPERTY

School Buildings	Land and Buildings	Personal	Totals
Prescott	\$72,200 00	\$3,000 00	\$75,200 00
East Somerville Junior High....	62,000 00	2,000 00	64,000 00
Hanscom	66,500 00	4,000 00	70,500 00
Davis	53,500 00	17,500 00	71,000 00
Clark Bennett	54,500 00	3,500 00	58,000 00
Knapp	53,000 00	5,500 00	58,500 00
Baxter	39,200 00	1,500 00	40,700 00
Perry	53,600 00	2,500 00	56,100 00
Bell and Southern Junior High	236,000 00	10,000 00	246,000 00
Pope	83,600 00	5,000 00	88,600 00
Cummings	18,400 00	1,500 00	19,900 00
Edgerly	43,000 00	5,000 00	48,000 00
Northern Eastern Junior High	618,000 00	20,900 00	638,900 00
*High and Gymnasium.....	829,500 00	75,800 00	905,300 00
Glines	96,400 00	5,000 00	101,400 00
Land for Grimmons School...	19,800 00	.....	19,800 00
Forster	64,000 00	4,500 00	.....
Forster (Annex)	40,000 00	3,500 00	112,000 00
†Proctor	42,000 00	5,000 00	47,000 00
Bingham	77,000 00	5,000 00	82,000 00
Morse	59,000 00	5,000 00	64,000 00
Carr	58,600 00	4,500 00	63,100 00
Durell	24,600 00	1,500 00	26,100 00
Burns	46,000 00	3,000 00	49,000 00
Brown	80,000 00	3,000 00	83,000 00
Highland	67,400 00	5,000 00	72,400 00
Lowe	57,000 00	2,000 00	59,000 00
Hodgkins	116,700 00	5,000 00	121,700 00
‡West Somerville Jr. High	200,000 00	8,000 00	208,000 00
Lincoln	23,800 00	1,000 00	24,800 00
Cutler	135,800 00	10,000 00	145,800 00
Total	\$3,491,100 00	\$228,700 00	\$3,719,800 00

* Land included in Central Hill Park.

† Building and fixtures. Land owned by State.

‡ Land included in Walter Ernest Shaw Playground.

Fire Buildings	Land and Buildings	Personal	Totals
New Fire Alarm Building	\$27,500 00	*\$105,000 00	\$180,200 00
Central	47,700 00	.....	.....
Engine Two	44,000 00	27,000 00	71,000 00
Engine Six	41,000 00	25,000 00	66,000 00
Hose Five	23,500 00	8,000 00	31,500 00
Ladder One	61,400 00	25,000 00	86,400 00
Ladder Two	19,700 00	15,000 00	34,700 00
Engine Four	25,000 00	7,000 00	32,000 00

Total	\$289,800 00	\$212,000 00	\$501,800 00
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* Includes Electrical Department equipment.

Libraries

*Central	137,500 00	100,000 00	237,500 00
East Somerville Branch	25,500 00	2,500 00	28,000 00
West Somerville Branch	41,000 00	6,500 00	47,500 00
Prospect Hill	22,600 00	2,000 00	24,600 00
Total	\$226,600 00	\$111,000 00	\$337,600 00

Miscellaneous Buildings

Highway (stables, etc.)	56,500 00	30,000 00	86,500 00
Sewer	10,900 00	.....	10,900 00
Contagious and Tuberculosis Hospital	63,500 00	9,000 00	72,500 00
City Home	129,400 00	17,000 00	146,400 00
Police	73,500 00	8,000 00	81,500 00
*City Hall	347,000 00	200,000 00	547,000 00
Power House and Heating Plant	142,500 00	.....	142,500 00

Parks

Field House, Dilboy Field	12,000 00	.....	12,000 00
Trum	3,500 00	.....	3,500 00
Broadway	3,100 00	.....	3,100 00
Lincoln	3,000 00	.....	3,000 00
Bathhouse	3,000 00	.....	3,000 00
Polling Booths	500 00	.....	500 00
Sanitary	19,400 00	19,200 00	38,600 00
Water	47,500 00	6,500 00	54,000 00

Total	\$915,300 00	\$289,700 00	\$1,205,000 00
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* Land included in Central Hill Park.

Parks and Playgrounds

Saxton C. Foss Park	\$421,200 00	\$421,200 00
Central Hill	475,000 00	.....	475,000 00
Lincoln	84,500 00	\$4,000 00	88,500 00

	Land and Buildings	Personal	Totals
Prospect Hill	69,800 00	1,500 00	71,300 00
Tufts	109,000 00	.....	109,000 00
Paul Revere	1,000 00	.....	1,000 00
Belmont Street	5,100 00	.....	5,100 00
Trum Playground	70,900 00	.....	70,900 00
Glen Street	39,000 00	.....	39,000 00
Kent Street	12,000 00	.....	12,000 00
Poplar Street	6,300 00	.....	6,300 00
Dilboy Field	64,900 00	.....	64,900 00
John M. Woods Playground	36,600 00	.....	36,600 00
Walter Ernest Shaw Playground	54,500 00	.....	54,500 00
Total	<u>\$1,449,800 00</u>	<u>\$5,500 00</u>	<u>\$1,455,300 00</u>

Miscellaneous Land

Roberts Street	200 00	.....	200 00
Somerville Avenue	300 00	.....	300 00
Putnam Street	400 00	.....	400 00
Lowell Street	100 00	.....	100 00
Spencer Avenue	100 00	.....	100 00
Weston Avenue	3,800 00	.....	3,800 00
Endicott Avenue	800 00	.....	800 00
Alpine Street	1,800 00	.....	1,800 00
Princeton Street	1,600 00	.....	1,600 00
Wilson Avenue	600 00	.....	600 00
Mt. Vernon Avenue	10,900 00	.....	10,900 00
Total	<u>\$20,600 00</u>	<u>.....</u>	<u>\$20,600 00</u>

SUMMARY

School Buildings	\$3,491,100 00	\$228,700 00	\$3,719,800 00
Fire Buildings	289,800 00	212,000 00	501,800 00
Libraries	226,600 00	111,000 00	337,600 00
Miscellaneous Buildings	915,300 00	289,700 00	1,205,000 00
Parks and Playgrounds	1,449,800 00	5,500 00	1,455,300 00
Miscellaneous Land	20,600 00	.....	20,600 00
Total	<u>\$6,393,200 00</u>	<u>\$846,900 00</u>	<u>\$7,240,100 00</u>
Sewer (cost) .....	.....	.....	1,619,156 00
Water Works (cost) .....	.....	.....	1,411,411 53
Total value public property ..	.....	.....	<u>\$10,270,667 53</u>

**REPORT OF THE
TREASURER AND COLLECTOR OF TAXES**

Somerville, Mass.,

March 19, 1930.

To the Honorable, the Mayor and the Board of Aldermen of
the City of Somerville:

Gentlemen:

I herewith present the annual report of Joseph S. Pike,
City Treasurer and Collector of Taxes for the year 1929.

Respectfully submitted.

JOSEPH L. MURPHY,
City Treasurer and Collector of Taxes.

STATEMENT OF REVENUE AND EXPENSE

Excess and Deficiency Credit Bal. Jan. 1, 1929.....		\$328,709 06
By adjustment credits		791 67
		<u>\$329,500 73</u>
To adjustment debits		70 98
		<u>\$329,429 75</u>
Assessed in taxes, 1929		3,554,126 09
Estimated Revenue		699,501 45
Corporation Taxes	\$153,000 52	
Income Taxes	484,164 86	
National Bank Tax	2,606 16	
		<u>639,771 54</u>
Tax Title Revenue		1,802 70
Accrued Interest		953 33
Premium on Bonds		1,606 00
		<u>\$5,227,190 86</u>
General Expenses	\$3,439,450 86	
Interest	156,757 72	
Reduction Funded Debt	196,000 00	
Met. Water Asst.	195,150 98	
		<u>\$3,987,359 56</u>
State Tax	\$146,880 00	
State Assessments	254,426 20	
County of Middlesex	186,450 88	
		<u>587,757 08</u>
Tellers Shorts and Overs		51 67
Appropriated to Outlays		472,525 00
Tax Title Revenue		18,123 13
Reserve for Tercentenary Celebration		2,000 00
Balance to credit of Excess and Deficiency ac- count Dec. 31, 1929		159,374 42
		<u>\$5,227,190 86</u>

BORROWING CAPACITY, DECEMBER 31, 1929

Valuation, 1927	\$116,406,900 00	
Supplementary	25,500 00	
		<u>\$116,432,400 00</u>
Valuation, 1928	\$120,172,300 00	
Supplementary	46,850 00	
		<u>120,219,150 00</u>
Valuation, 1929	\$118,840,900 00	
Supplementary		
Motor Vehicle Excise Tax Commit- ments	7,047,440 00	
		<u>125,888,340 00</u>
Carried forward		\$362,539,890 00

Brought forward		\$362,539,890 00
Abatements, 1927	\$671,191 00	
1928	682,243 00	
1929	455,350 00	
Motor Excise Tax 1929	319,400 00	
		<u>2,128,184 00</u>
		\$360,411,706 00
Average three years, one third.....		120,137,235 33
Two and one-half per cent.....		3,003,430 88
Funded Debt Dec. 31, 1929	\$2,648,000 00	
Northern Traffic Route Loan (See Sec. 7, Chap, 489, Acts of 1924) (Out- side limit)	500,000 00	
		<u>2,148,000 00</u>
		\$855,430 88
Borrowing capacity Dec. 31, 1929		
Maturities:		
January 1, 1930	\$22,000 00	
April 1, 1930	52,000 00	
July 1, 1930	94,000 00	
October 1, 1930	\$71,000 00	
Less outside limit	50,000 00	
	<u>21,000 00</u>	
		<u>189,000 00</u>
		\$1,044,430 88

Per cent of Funded Debt Dec. 31, 1929, to average valuation three years as above .022+.

Per cent to valuation 1929 .0212-.

Population April 1, 1925, (official), 99,206, estimated December 31, 1929, 104,000. Per capita debt \$25.46.

CONDENSED CASH STATEMENT

Receipts		Payments	
Revenue	\$7,438,893 73		\$7,614,371 09
Non-Revenue	504,217 24		791,009 41
	<u>\$7,943,110 97</u>		<u>\$8,405,380 50</u>
Cash Balance		Cash Balance	
Jan. 1, 1929	802,722 19	Dec. 31, 1929	340,452 66
	<u>\$8,745,833 16</u>		<u>\$8,745,833 16</u>

DETAILED CASH STATEMENT

RECEIPTS

Balance from 1928		\$802,722 19
Cash Advances	\$700 00	
Taxes 1927	\$182 18	
1928	715,138 76	
1929	2,589,499 44	
	<hr/>	3,304,820 38
Motor Vehicle Excise Taxes 1929		149,672 83
Street Sprinkling 1928	10,337 70	
1929	36,791 02	
	<hr/>	47,128 72
Committed in 1928 Taxes:		
Apportioned Highway Assts.	286 21	
Unapportioned Highway Assts....	1,415 13	
Unapportioned Sidewalk Assts....	1,386 87	
Apportioned Sewer Asst	16 64	
Unapportioned Sewer Assts	100 00	
	<hr/>	3,204 85
Committed in 1929 Taxes		
Apportioned Highway Assts.....	2,079 46	
Unapportioned Highway Assts....	3,058 51	
Apportioned Sidewalk Assts.....	129 11	
Unapportioned Sidewalk Assts....	869 87	
Apportioned Sewer Assts.....	75 00	
	<hr/>	6,211 95
Apportioned Interest in 1928		
Taxes	74 90	
Unapportioned Interest in 1928		
Taxes	119 20	
Apportioned Interest in 1929		
Taxes	368 49	
Unapportioned Interest in 1929		
Taxes	159 95	
	<hr/>	722 54
Highway Assessments 1929.....	8,379 21	
Highway Assessments 1929 paid		
after apportioned	684 66	
Highway Assessments Deferred..	75 71	
Sidewalk Assessments 1928	2,993 55	
Sidewalk Assessments 1929	2,446 93	
	<hr/>	14,580 06
Northern Traffic Artery Asst.....	577 95	
Northern Traffic Artery Int.....	8 73	
	<hr/>	586 68
Carried forward	\$3,527,628 01	\$802,722 19

Brought forward	\$3,527,628 01	\$802,722 19
Metered Water Charges 1928.....	29,156 56	
Water Sales	\$369,303 24	
Maintenance	10,051 56	
Service	5,573 41	
	<hr/>	384,928 21
Treasury Department:		
Costs: Taxes	5,206 14	
Excise	455 75	
Tax Titles	22 00	
Tax Lien Certificates	651 00	
Redemption Certificates	38 00	
	<hr/>	6,372 89
Departmental Accounts	94,686 91	
Deposits	12,895 87	
Interest:		
Taxes	24,453 16	
Assessments	43 31	
Bank, Treasurer	9,805 94	
Certificates of Deposit	10,308 68	
Tax Titles	33 80	
Miscellaneous	21 33	
	<hr/>	44,666 22
Commonwealth of Massachusetts:		
Corporation Tax	153,000 52	
Income Tax	484,164 86	
Bank Tax	2,609 04	
Street Railway Tax	14,057 87	
	<hr/>	653,832 29
For Schools:		
Continuation	4,262 93	
Industrial	14,382 71	
Americanization	3,076 62	
State Tuition	4,941 62	
	<hr/>	26,663 88
Soldiers' Benefits	6,720 50	
Lieu of Taxes	85 17	
County of Middlesex:		
Dog Licenses	2,717 80	
Court Fees and Fines	14,372 34	
Departmental Penalties	311 25	
Licenses and Permits	16,111 06	
Miscellaneous Revenue:		
Edison Electric Illumination Co., electrolysis	500 00	
Tax Titles	1,974 48	
Revenue Loans	2,595,000 00	
Carried forward	\$7,418,623 44	\$802,722 19

Brought forward		\$7,418,623 44	\$802,722 19
Accrued Interest		1,062 50	
Premium on Bonds		4,600 00	
General Expenses (Refunds)		2,854 33	
Excess and Deficiency		715 82	
Trust Funds, Income:			
School: Cutler	\$215 30		
Smith-Hughes	4,226 49		
Baker	15 00		
		<hr/>	4,456 79
Library: Cutler	43 04		
Hunt Art	64 96		
Hunt Books	495 30		
Pitman Art	267 06		
Pitman Poetry ...	66 76		
Wilder	5 00		
Graves	20 00		
Buffum	50 00		
Gilmore	91 67		
		<hr/>	1,103 79
Welfare: Cummings		75 68	
Library: Pitman (Principal).....		5,000 00	
School: Fox (Principal)		401 38	
		<hr/>	
		\$7,438,893 73	
Non-Revenue:			
Northern Traffic Route Loan			
Bonds	500,000 00		
Offset to Outlays	266 63		
Redemption Tax Titles	3,950 61		
		<hr/>	
		504,217 24	
		<hr/>	7,943,110 97
			<u>\$8,745,833 16</u>

PAYMENTS

Revenue		
Advances		\$700 00
Refunds:		
Taxes 1928	\$1,615 22	
1929	1,327 08	
Motor Vehicle Excise		
1929	1,049 58	
Street Sprinkling	47 34	
Water Maintenance	91 00	
Water Income	41 26	
Licenses and Permits	5 50	
Sanitary Department	38 40	
Highway Maintenance	5 00	
		<hr/>
		4,220 38
Tax Titles		178 76
Revenue Loans 1928	700,000 00	
1929	1,795,000 00	
		<hr/>
		2,495,000 00
Commonwealth of Massachusetts:		
State Tax and Assessments....	401,306 20	
Metropolitan Water Assess-		
ment	195,150 98	
Bank Tax	2 88	
		<hr/>
		596 460 06
County of Middlesex:		
County Tax		186,450 88
General Expenses		3,465,018 96
Reduction of Funded Debt.....		196,000 00
Interest Funded Debt	89,321 25	
Revenue Loans	67,436 47	
		<hr/>
		156,757 72
Metropolitan Assessments:		
Northern Traffic Route	863 44	
Interest	18 80	
		<hr/>
		882 24
Northern Traffic Route City As-		
sessment		500,000 00
Trust Funds Income:		
School: Cutler	114 00	
Smith-Hughes	5,958 00	
Baker	15 00	
		<hr/>
		6,087 00
Library: Cutler	41 59	
Hunt-Art	74 41	
Books	483 30	
Pitman-Art	497 13	
Poetry	7 25	
Wilder	5 13	
Graves	11 60	
Gilmore	41 63	
		<hr/>
		1,162 04
Carried forward		\$7,608,918 04

Brought forward		\$7,608,918 04
Pitman Fund		5,000 00
Sarah W. Fox Fund Invest- ment		401 38
Tellers' Shorts and Overs		51 67
		<u>\$7,614,371 09</u>
Non-Revenue:		
Outlay Appropriations	\$787,058 80	
Redemption of Tax Titles	<u>3,950 61</u>	791,009 41
		<u>\$8,405,380 50</u>
Cash in office	13,068 43	
Deposits in banks	<u>327,384 23</u>	340,452 66
		<u><u>\$8,745,833 16</u></u>

BALANCES, DECEMBER 31, 1929

	Debit	Credit
Cash	\$340,452 66	
Cash Advances	200 00	
Taxes, 1928	618 41	
1929	791,986 40	
Motor Vehicle Excise 1929.....	31,264 98	
Street Sprinkling, 1929	11,505 44	
Overlay and Abatement, 1928.....		\$618 41
1929 ..		13,224 09
Highway Betterment Assess- ments, 1929	12,432 58	
Sidewalk Assessments, 1929	2,979 20	
Apportioned Highway Assess- ments in taxes, 1929	176 67	
Unapportioned Highway Assess- ments in taxes, 1929	2,613 01	
Apportioned Sidewalk Assess- ments in taxes, 1929	37 98	
Unapportioned Sidewalk Assess- ments in taxes, 1929	1,509 16	
Apportioned Sewer Assessments in taxes, 1929	16 64	
Apportioned Highway Assess- ments Deferred	26,277 80	
Apportioned Highway Assess- ments, 1930		4,009 51
Apportioned Highway Assess- ments, 1931		3,914 61
Apportioned Highway Assess- ments, 1932		3,288 25
Apportioned Highway Assess- ments, 1933		3,167 29
Apportioned Highway Assess- ments, 1934		2,271 85
Apportioned Highway Assess- ments, 1935		2,079 18
Apportioned Highway Assess- ments, 1936		2,005 90
Apportioned Highway Assess- ments, 1937		2,000 32
Apportioned Highway Assess- ments, 1938		1,924 40
Apportioned Highway Assess- ments, 1939		1,616 49
Apportioned Sidewalk Assess- ments Deferred	1,579 51	
Apportioned Sidewalk Assess- ments, 1930		282 07
Apportioned Sidewalk Assess- ments, 1931		262 03
Apportioned Sidewalk Assess- ments, 1932		262 00
Apportioned Sidewalk Assess- ments, 1933		215 58
Carried forward	\$1,223,650 44	\$41,141 98

Brought forward	\$1,223,650 44	\$41,141 98
Apportioned Sidewalk Assessments, 1934		150 97
Apportioned Sidewalk Assessments, 1935		99 84
Apportioned Sidewalk Assessments, 1936		99 83
Apportioned Sidewalk Assessments, 1937		99 81
Apportioned Sidewalk Assessments, 1938		71 71
Apportioned Sidewalk Assessments, 1939		35 67
Apportioned Sewer Assessments Deferred	249 86	
Apportioned Sewer Assessments, 1930		91 64
Apportioned Sewer Assessments, 1931		91 64
Apportioned Sewer Assessments, 1932		16 64
Apportioned Sewer Assessments, 1933		16 64
Apportioned Sewer Assessments, 1934		16 65
Apportioned Sewer Assessments, 1935		16 65
Interest Apportioned Assessments	201 92	
Interest Unapportioned Assessments	154 78	
Soldiers' Benefits	6,889 75	
Tax Titles	17,149 16	
Revenue Loans		800,000 00
Funded Debt		2,648,000 00
Net Funded Debt	2,648,000 00	
Accrued Interest		1,062 50
Premium on Bonds		4,600 00
General Expenses (Tercentenary Celebration)		2,000 00
Outlay Appropriations		158,601 71
Trust Funds Income:		
School, Cutler	113 64	
Smith-Hughes	2,535 49	
Baker	7 50	
		2,656 63
Library, Cutler	1 63	
Hunt, Art	86 89	
Books	12 48	
Pitman, Art	123 33	
Poetry	67 12	
Wilder	2 61	
Graves	10 36	
Buffum	79 27	
Gilmore	50 04	
		433 73
Carried forward	\$3,896,295 91	\$3,659,304 24

Brought forward	\$3,896,295 91	\$3,659,304 24
Welfare, Cummings		883 15
Sundry Persons		838 78
Excess and Deficiency		159,374 42
Tax Title Revenue		17,070 01
Special Assessments Reserved....		15,411 78
Reserve Fund Surplus for Over- lay		43,171 02
Sale of Land		242 51
Trust Funds:		
School, Cutler	5,000 00	
Baker	300 00	
Fox	401 38	
		5,701 38
Library, Cutler	1,000 00	
Hunt, Books	12,000 00	
Art	1,299 77	
Pitman, Art 80%.....		
Pitman, Poetry 20%..	5,314 58	
Wilder	100 00	
Graves	400 00	
Buffum	1,000 00	
Gilmore	2,000 00	
		23,114 35
Welfare, Cummings		1,681 66
Municipal Bldgs. Ins. Fund		20,990 07
Investment	51,487 46	
	\$3,947,783 37	\$3,947,783 37

The assessors' warrant for the tax levy, assessed upon polls and property April 1, 1929, amounted to \$3,450,285.29.

Real Estate:

Land	\$26,525,850 00
Buildings	85,945,450 00
	<hr/>
	112,471,300 00
Personal	6,369,600 00
	<hr/>
Total valuation	\$118,840,900 00
At a rate of \$28 10	3,339,429 29
Polls, 31,203 at \$2.00	62,406 00
Street Sprinkling	48,450 00
	<hr/>
	\$3,450,285 29
Supplementary Poll Warrant.....	376 00
	<hr/>
Total on polls and property	\$3,450,661 29

Assessments:

Apportioned Highway	\$2,267 68
Unapportioned Highway	6,361 52
Apportioned Sidewalk	167 09
Unapportioned Sidewalk	2,454 47
Apportioned Sewer	91 64
Interest—Apportioned Assts.	574 33
“ Unapportioned Assts....	341 79
	<hr/>
	12,258 52

Motor Excise Taxes:

Commitment 1.....	\$62,497 13
“ 2.....	99,847 04
“ 3.....	17,122 34
“ 4.....	4,219 21
“ 5.....	3,845 96
“ 6.....	1,826 80
	<hr/>
	189,358 48
	<hr/>
Total Commitment by Assessors	\$3,652,278 29

TAXES

	1927	1928	1929	Motor Vehicle Excise Taxes	Total
Balance December 31, 1928	\$225 94	\$730,005 59			\$730,231 53
Committed			\$3,401,835 29	\$189,358 48	3,591,193 77
Supplementary			376 00		376 00
Refunds		1,615 22	1,327 08	1,049 58	3,991 88
Recharged	2 00	14 52	18 00		34 52
Total charges	\$227 94	\$731,635 33	\$3,403,556 37	\$190,408 06	\$4,325,827 70
Collected	182 18	715,138 76	2,589,499 44	149,672 83	3,454 493 21
Abated	45 76	7,616 60	14,767 34	9,470 25	31,899 95
Tax Title Account		8,261 56	7,303 19		15,564 75
Total credits	\$227 94	\$731,016 92	\$2,611,569 97	\$159,143 08	\$3,501,957 91
Balance December 31, 1929		618 41	791,986 40	31,264 98	\$23,869 79

STREET SPRINKLING ASSESSMENTS

	1928	1929	Total
Balance Dec. 31, 1928	\$10,484 10	.....	\$10,484 10
Committed .....	.....	\$48,450 00	48,450 00
Refunds	6 00	41 34	47 34
Total charges	\$10,490 10	\$48,491 34	\$58,981 44
Collected	\$10,337 70	\$36,791 02	\$47,128 72
Abated	22 80	89 64	112 44
Tax Title account	129 60	105 24	234 84
Total credits	\$10,490 10	\$36,985 90	\$47,476 00
Balance Dec 31, 1929 .....	.....	\$11,505 44	\$11,505 44

OVERLAY AND ABATEMENT

Credit Balance Dec. 31, 1928	1927	1928	1929	Total
Assessed in Taxes	\$225 94	\$13,853 33	.....	\$14,079 27
Recharged	2 00	14 52	\$27,973 43	27,973 43
			18 00	34 52
Total credits	\$227 94	\$13,867 85	\$27,991 43	\$42,087 22
Abatements	\$45 76	\$7,616 60	\$14,767 34	\$22,429 70
To Reserve Fund (Surplus)	182 18	5,632 84	.....	5,815 02
Total charges	\$227 94	\$13,249 44	\$14,767 34	\$28,244 72
Balance Dec. 31, 1929 .....	.....	\$618 41	\$13,224 09	\$13,842 50

BETTERMENT ASSESSMENTS

	Highway	Highway 1929	Sidewalk 1928	Sidewalk 1929	Total
Balance Dec. 31, 1928	\$5,547 76	.....	\$5,547 76
Committed	\$55,309 34	.....	7,617 48	\$62,926 82
Total charges	\$55,309 34	\$5,547 76	\$7,617 48	\$68,474 58
Collected	\$8,379 21	\$2,993 55	\$2,446 93	\$13,819 69
Apportioned	26,332 78	533 06	987 91	27,853 75
Committed to 1929 taxes	6,361 52	2,021 15	433 32	8,815 99
Abated	1,803 25	.....	770 12	2,573 37
Total credits	\$42,876 76	\$5,547 76	\$4,638 28	\$53,062 80
Balance Dec. 31, 1929	\$12,432 58	.....	\$2,979 20	\$15,411 78

ASSESSMENTS IN TAXES IN 1929

	Highway Apportioned	Highway Unapportioned	Sidewalk Apportioned	Sidewalk Unapportioned	Sewer Apportioned	Int. on Apportioned	Int. on Unapportioned	Total
Committed	\$2,267 68	\$6,361 52	\$167 09	\$2,454 47	\$91 64	\$574 33	\$341 79	\$12,258 52
Collected	2,079 46	3,058 51	129 11	869 87	75 00	368 49	159 95	6,740 39
Tax Title Account .....	.....	.....	.....	75 44	.....	.....	3 60	79 04
Abated	11 55	690 00	.....	.....	.....	3 92	23 46	728 93
Total credits	\$2,091 01	\$3,748 51	\$129 11	\$945 31	\$75 00	\$372 41	\$187 01	\$7,548 36
Bal. Dec. 31, 1929	\$176 67	\$2,613 01	\$37 98	\$1,509 16	\$16 64	\$201 92	\$154 78	\$4,710 16

COMMITTED APPORTIONED ASSESSMENTS

	Highway	Highway	Sidewalk	Sidewalk	Sewer	Total
Bal. Commitment 1928	\$301 21	.....	.....	.....	.....	\$317 85
Committed 1929 .....	.....	\$2,267 68	.....	\$167 09	\$91 64	2,526 41
Collected	\$286 21	\$2,079 46	.....	.....	.....	\$2,844 26
Abated .....	.....	11 55	.....	.....	.....	\$2,586 42
Transferred to Tax Titles	15 00	.....	.....	.....	.....	11 55
Total credits	\$301 21	\$2,091 01	.....	\$129 11	\$16 64	15 00
Bal. Dec. 31, 1929 .....	.....	\$176 67	.....	\$37 98	\$75 00	\$2,612 97
					\$16 64	\$231 29

UNAPPORTIONED ASSESSMENTS

	Highway	Highway	Sidewalk	Sidewalk	Sewer	Total
Bal. Commitment 1928	\$1,415 13		\$1,529 04		\$800 00	\$3,744 17
Committed 1929		\$6,361 52		\$2,454 47		8,815 99
Total charges	\$1,415 13	\$6,361 52	\$1,529 04	\$2,454 47	\$800 00	\$12,560 16
Collected	\$1,415 13	\$3,058 51	\$1,529 04	\$869 87	\$100 00	\$6,972 55
Abated		690 00				690 00
Transferred to Tax Titles				75 44	700 00	775 44
Total credits	\$1,415 13	\$3,748 51	\$1,529 04	\$945 31	\$800 00	\$8,437 99
Balance Dec. 31, 1929		2,613 01		\$1,509 16		\$4,122 17

COMMITTED INTEREST ASSESSMENTS

	Appor- tioned	Unappor- tioned	Total
Bal. Commitment 1928	\$81 20	\$150 70	\$231 90
Committed 1929		\$341 79	916 12
Total charges	\$81 20	\$150 70	\$341 79
Collected	\$74 90	\$119 20	\$159 95
Abated		23 46	27 38
Transferred to Tax Title Int. 6 30		31 50	41 40
Total credits	\$81 20	\$150 70	\$791 32
Bal. Dec. 31, 1929		\$154 78	\$356 70

WATER DEPARTMENT ACCOUNTS

	Metered 1928	Quarterly Metered	Commercial Metered	Maint.	Service Assessments	Additional	Total
Bal. Dec. 31, 1928	\$29,174 74						\$29,174 74
Committed		\$215,172 76	\$153,118 87	\$10,342 37	\$5,573 41	\$2,372 57	386,579 98
Refunds		41 26		91 00			132 26
Total charges	\$29,174 74	\$215,214 02	\$153,118 87	\$10,433 37	\$5,573 41	\$2,372 57	\$415,886 98
Collected	\$29,156 56	\$214,316 44	\$152,677 17	\$10,051 56	\$5,573 41	\$2,309 62	\$414,084 76
Abated	18 18	374 06	125 05	190 68			707 97
Total credits	\$29,174 74	\$214,690 50	\$152,802 22	\$10,242 24	\$5,573 41	\$2,309 62	\$414 792 73
Bal. Dec. 31, 1929		\$523 52	\$216 65	\$191 13		\$62 95	\$1,094 25

DEPARTMENTAL ACCOUNTS FOR COLLECTIONS AND DEPOSITS

	Balance Dec. 31, 1928	Committed	Total	Abated	Collected	Balance	Deposits
City Clerk .....	.....	.....	.....	.....	.....	.....	2,211 20
Assessors .....	.....	.....	.....	.....	.....	.....	11 00
Election Commissioners .....	.....	.....	.....	.....	.....	.....	88 55
City Engineer .....	.....	.....	.....	.....	.....	.....	1 91
Building Dept. ....	.....	.....	.....	.....	.....	.....	28 50
Police Bldg. ....	.....	.....	.....	.....	.....	.....	90 08
Fire Dept. ....	.....	.....	.....	.....	.....	.....	14 80
Weights and Measures .....	.....	.....	.....	.....	.....	.....	983 36
Electrical .....	.....	.....	.....	.....	.....	.....	103 00
Health Dept.	586 73	1,251 22	1,837 95	25 71	505 93	1,306 31	.....
Inspection Milk and Vinegar ...	97 00	1,651 75	1,748 75	.....	1,548 25	200 50	5 00
Sanitary Dept. ....	.....	582 55	582 55	.....	400 00	182 55	1,217 80
Sanitary Bldgs., Mtce.	114 43	574 15	688 58	.....	688 58	.....	.....
Dental Clinic .....	.....	.....	.....	.....	.....	.....	565 07
Highways Maintenance	953 68	7,318 90	8,272 58	148 95	7,665 33	458 30	5 00
Highways Bldgs. ....	.....	.....	.....	.....	.....	.....	51 15
Welfare Misc. (Com. of Mass.)	5,986 31	48,826 74	54,813 05	1,060 65	31,453 81	22,298 59	.....
Welfare Miscellaneous	9,310 74	22,789 24	32,099 98	485 84	21,805 95	9,808 19	.....
Welfare City Home	760 42	5,416 57	6,176 99	.....	5,977 85	199 14	1,350 07
Welfare City Home Bldgs. ....	.....	.....	.....	.....	.....	.....	150 00
School Dept.	2,593 16	19,917 52	22,510 68	542 68	20,426 95	1,541 05	1,930 23
School Bldgs. ....	.....	698 27	698 27	.....	698 27	.....	14 36
Sidewalks Mtce.	19 30	.....	19 30	.....	.....	19 30	.....
Sidewalks Construction .....	.....	142 79	142 79	.....	142 79	.....	.....
Highways Street Sprinkling .....	.....	15 00	15 00	.....	15 00	.....	.....
Contagious Hospital	2,828 20	6,024 00	8,852 20	1,503 50	3,358 20	3,990 50	.....
Libraries .....	.....	.....	.....	.....	.....	.....	2,806 49
Bathhouse .....	.....	.....	.....	.....	.....	.....	308 00
Shower Baths .....	.....	.....	.....	.....	.....	.....	630 25
Board of Appeal .....	.....	.....	.....	.....	.....	.....	330 00
	\$23,249 97	\$115,208 70	\$138,458 67	\$3,767 33	\$94,686 91	\$40,004 43	\$12,895 87

REVENUE LOANS

In Anticipation of Revenue

Balance from 1928				\$700,000 00	
Borrowed by authority of an order of					
the Board of Aldermen on city notes,					
as follows:					
Nos.	Rate @	Premium disc.		Discount	
1663-1674	275 days	4.83	\$200,000 00	\$7,379 17	
1675-1676	274 "	5.125	50,000 00	1,758 16	
1677	198 "	4.75	100,000 00	2,612 50	
1678	229 "	5.	100,000 00	3,180 56	
1679-1680	247 "	5.125	100,000 00	3,516 32	
1681-1682	233 "	5.125	100,000 00	3,317 01	
1683-1685)	225 "	5.18	95,000 00	3,075 63	
1687-1688)					
1689-1696	200 "	5.5	100,000 00	3,055 56	
1697-1704	203 "	5.5	100,000 00	3,101 39	
1705-1710	189 "	5.41	100,000 00	2,840 25	
1711-1718	170 "	5.50	100,000 00	2,597 22	
1719-1720	153 "	5.80	200,000 00	4,930 00	
1721-1733	6 mos.	5.76	150,000 00	4,317 00	
1734-1737	153 days	5.40	200,000 00	4,590 00	
1738-1743	123 "	5.025	100,000 00	1,716 88	
1744-1749	188 "	5.025	100,000 00	2,624 16	
1750-1757	162 "	5.22	100,000 00	2,349 00	
1758-1765	188 "	5.22	100,000 00	2,726 00	
1766-1768	98 "	3.90	100,000 00	1,061 67	
1769-1774	131 "	3.90	200,000 00	2,838 33	

Continued next page

Nos.	Rate 160 days @	Premium disc.		Discount
1775-1777	3.90		100,000 00	1,733 33
1778-1780	3.90	7.00	100,000 00	2,116 33
			<u>2,595,000 00</u>	
			<u>\$3,295,000 00</u>	<u>\$67,436 47</u>
			<u>2,495,000 00</u>	
			<u>\$800,000 00</u>	
Paid notes maturing in 1929.....				
Maturing in 1930				
Notes, 1929 averaged to run 185½ days and the average rate .....5.04—				
Notes, 1928 averaged to run 201½ days and the average rate .....3.95—				
Notes, 1927 averaged to run 200 days and the average rate.....3.5129				
Notes, 1926 averaged to run 215 4/22 days and the average rate .....3.6288				
Average for 1925, 213 days and the average rate .....3.365+				
Average for 1924, 216 150-195 days and aver- age rate .....4.07+				

The funded debt December 31, 1929 was \$2,648,000.00 classified as follows:

	Beyond limit fixed by law	Within limit	Total
Lowell Street Bridge at 3½ per cent.		\$20,000 00	
Sewer at 3½ per cent.....		18,000 00	
Sewer at 4 per cent.....		79,000 00	
Sewer at 4¼ per cent		14,000 00	
City at 4 per cent.....		36,000 00	
Highway at 4 per cent		88,000 00	
Highway at 5 per cent.....		15,000 00	
City Hall Addition at 4 per cent..		32,000 00	
City Hall Addition at 4¼ per cent		70,000 00	
Public Buildings at 4 per cent....		58,000 00	
Public Buildings at 4½ per cent..		32,000 00	
Schoolhouse at 4 per cent		577,000 00	
High School at 3½ per cent		600,000 00	
High School at 4 per cent		509,000 00	
*Northern Traffic Route at 4½ per cent	\$500,000 00		
	<u>\$500,000 00</u>	<u>\$2,148,000 00</u>	<u>\$2,648,000 00</u>

* Section 7, Chapter 489, of the Acts of 1924.

OUTSTANDING BONDS DECEMBER 31, 1929

	Northern Traffic Route Outside	Bridge	Sewer	City	Highway	City Hall Addition	Pub. Bldgs.	School- house	High School	Total
1930	\$50,000	\$1,000	\$16,000	\$15,000	\$28,000	\$8,000	\$16,000	\$44,000	\$61,000	\$239,000
1931	50,000	1,000	16,000	12,000	22,000	8,000	15,000	44,000	61,000	229,000
1932	50,000	1,000	14,000	9,000	17,000	8,000	15,000	44,000	61,000	219,000
1933	50,000	1,000	14,000	.....	12,000	8,000	14,000	43,000	61,000	203,000
1934	50,000	1,000	14,000	.....	12,000	7,000	14,000	43,000	61,000	202,000
1935	50,000	1,000	13,000	.....	12,000	7,000	8,000	43,000	61,000	195,000
1936	50,000	1,000	6,000	.....	.....	7,000	4,000	43,000	61,000	172,000
1937	50,000	1,000	6,000	.....	.....	7,000	4,000	43,000	61,000	172,000
1938	50,000	1,000	4,000	.....	.....	7,000	.....	43,000	61,000	166,000
1939	50,000	1,000	3,000	.....	.....	7,000	.....	43,000	61,000	165,000
1940	.....	1,000	2,000	.....	.....	7,000	.....	43,000	61,000	114,000
1941	.....	1,000	1,000	.....	.....	7,000	.....	43,000	61,000	113,000
1942	.....	1,000	1,000	.....	.....	7,000	.....	43,000	61,000	113,000
1943	.....	1,000	1,000	.....	.....	7,000	.....	15,000	61,000	85,000
1944	.....	1,000	.....	.....	.....	.....	.....	.....	61,000	62,000
1945	.....	1,000	.....	.....	.....	.....	.....	.....	61,000	62,000
1946	.....	1,000	.....	.....	.....	.....	.....	.....	61,000	62,000
1947	.....	1,000	.....	.....	.....	.....	.....	.....	61,000	62,000
1948	.....	1,000	.....	.....	.....	.....	.....	.....	11,000	12,000
1949	.....	1,000	.....	.....	.....	.....	.....	.....	.....	1,000
	\$500,000	\$20,000	\$111,000	\$36,000	\$103,000	\$102,000	\$90,000	\$577,000	\$1,109,000	\$2,648,000

BONDS DUE IN 1930

	January	April	July	October	Total
Lowell Street					
Bridge		\$1,000 00			\$1,000 00
Sewer		9,000 00	\$7,000 00		16,000 00
City	\$2,000 00	6,000 00	7,000 00		15,000 00
Highway		15,000 00	13,000 00		28,000 00
City Hall					
Addition				\$8,000 00	8,000 00
Public Bldg.	5,000 00	5,000 00	6,000 00		16,000 00
Schoolhouse	15,000 00	16,000 00		13,000 00	44,000 00
High School			61,000 00		61,000 00
Northern Traffic					
Route				50,000 00	50,000 00
	<u>\$22,000 00</u>	<u>\$52,000 00</u>	<u>\$94,000 00</u>	<u>\$71,000 00</u>	<u>\$239,000 00</u>

BOND INTEREST DUE IN 1930

	January	April	July	October	Total
Lowell Street					
Bridge		\$350 00		\$332 50	\$682 50
Sewer	\$755 00	1,437 50	\$755 00	1,261 25	4,208 75
City	540 00	180 00	500 00	60 00	1,280 00
Highway	1,460 00	675 00	1,460 00	325 00	3,920 00
City Hall					
Addition		2,127 50		2,127 50	4,255 00
Public Bldg.	1,420 00	460 00	1,320 00	360 00	3,560 00
Schoolhouse	4,200 00	7,340 00	3,900 00	7,020 00	22,460 00
High School	20,680 00		20,680 00		41,360 00
Northern Traffic					
Route		11,250 00		11,250 00	22,500 00
	<u>\$29,055 00</u>	<u>\$23,820 00</u>	<u>\$28,615 00</u>	<u>\$22,736 25</u>	<u>\$104,226 25</u>

BONDS OUTSTANDING DECEMBER 31, 1929

With Interest to Maturity

	Bonds	Interest	Total
Lowell Street Bridge	\$20,000 00	\$7,000 00	\$27,000 00
Sewer	111,000 00	18,870 00	129,870 00
City	36,000 00	2,340 00	38,340 00
Highway	103,000 00	11,645 00	114,645 00
City Hall Addition	102,000 00	31,462 50	133,462 50
Public Bldg.	90,000 00	12,760 00	102,760 00
Schoolhouse	577,000 00	156,800 00	733,800 00
High School	1,109,000 00	406,100 00	1,515,100 00
Northern Traffic Route	500,000 00	123,750 00	623,750 00
	<u>\$2,648,000 00</u>	<u>\$770,727 50</u>	<u>\$3,418,727 50</u>

YEARLY BOND MATURITIES WITH INTEREST

Date Due	Principal	Interest	Total
1930.....	\$239,000 00	\$104,226 25	\$343,226 25
1931.....	229,000 00	94,768 75	323,768 75
1932.....	219,000 00	85,761 25	304,761 25
1933.....	203,000 00	77,153 75	280,153 75
1934.....	202,000 00	69,026 25	271,026 25
1935.....	195,000 00	61,021 25	256,021 25
1936.....	172,000 00	53,293 75	225,293 75
1937.....	172,000 00	46,383 75	218,383 75
1938.....	166,000 00	39,513 75	205,513 75
1939.....	165,000 00	32,883 75	197,883 75
1940.....	114,000 00	26,291 25	140,291 25
1941.....	113,000 00	21,986 25	134,986 25
1942.....	113,000 00	17,701 25	130,701 25
1943.....	85,000 00	13,486 25	98,486 25
1944.....	62,000 00	10,392 50	72,392 50
1945.....	62,000 00	7,917 50	69,917 50
1946.....	62,000 00	5,442 50	67,442 50
1947.....	62,000 00	2,967 50	64,967 50
1948.....	12,000 00	492 50	12,492 50
1949.....	1,000 00	17 50	1,017 50
	<hr/> \$2,648,000 00	<hr/> \$770,727 50	<hr/> \$3,418,727 50

MEMORANDUM OF PAYMENTS IN 1929 ON ACCOUNT OF DEBT

	Principal	Interest	Total
Bonds, General City Debt	\$196,000 00	\$89,321 25	\$285,321 25
Revenue Loans .....	.....	67,436 47	67,436 47
On account of:			
Metropolitan District Debt:			
Sewers	30,607 88	29,914 92	60,522 80
Parks	5,021 81	15,670 26	20,692 07
Charles River Basin	312 48	3,779 01	4,091 49
Alewife Brook	818 39	64 47	882 86
Water	20,606 83	102,359 58	122,966 41
	<hr/> \$253,367 39	<hr/> \$308,545 96	<hr/> \$561,913 35

TREASURY DEPARTMENT, 1929

Appropriated			\$34,385 00
Salaries:			
Treasurer and Collector	\$4,500 00		
Deputy Collector	2,550 00		
Cashiers	3,348 12		
Clerks	15,142 35		
Tracer	539 00		
		\$26,079 47	
Other Expenses:			
Postage	\$2,630 85		
Books and supplies	967 08		
Printing and advertising	2,161 08		
Telephone	222 22		
Bonds	752 85		
Brink's Express Company....	211 00		
Insurance	439 43		
Convention Expenses	145 92		
All other	274 13		
		7,804 56	
Special Items:			
Mailing machine		436 10	
		\$34,320 13	
Balance unexpended		64 87	
			\$34,385 00

RECREATION COMMISSION

1929

CHARLES S. CLARK, *Chairman*

MEMBERS

	Term Expires January
MRS. PEARL L. CALDWELL	1930
CHARLES S. CLARK	1930
ERNEST W. DANFORTH	1931
DR. WINNIFRED P. DAVIS	1931
GEORGE H. EVANS	1931
ARTHUR A. FORTE	1931
MRS. ARTHUR W. HURLBURT	1931
MISS MARY McGANN	1930
JOSEPH J. PINCUS	1930
MRS. JENNIE E. STOWELL	1930

FRANCIS J. MAHONEY, *Secretary to the Commission*

REPORT OF THE CHAIRMAN

January 2, 1930.

To The Honorable The Mayor and The Board of Aldermen :—

The Recreation Commission submits this report of work accomplished during the year 1929, calling attention to the report of the Director, which constitutes part of this Report, and particularly to the recommendations in the Director's Report.

For purpose of brevity, references are here made to previous Annual Reports by this Commission, to eliminate repetition in the re-statement of considerations deemed vital to the business of the Commission.

No report by this Commission can be clear unless there is clearly kept in mind the underlying fact that, despite its name, the Recreation Commission has not, and cannot under present conditions assume, jurisdiction over the City's Recreation facilities. Instead the jurisdiction is distributed, under the City Charter, among several Departments, of which the City's Engineer's Department and the Building Department bear the major responsibility. The Recreation Commission has no jurisdiction over facilities which might be styled the chief tools of recreation. Examples are the play areas, maintained and controlled by two other departments; storage places; basins for wading pools and the municipal bathing beach. Other examples are skating facilities, and regulation in allotment of baseball fields to users. While the officials of these other Departments have practiced co-operation within the bounds of possibility, the resources at their disposal are extremely limited and the business of providing and conditioning these "Recreation tools" is decidedly incidental to their general jurisdiction.

To offer recommendations for co-ordinating the work of these departments for Recreation, is, we believe, the function of the Recreation Commission. Accordingly, this Commission has repeatedly brought to the attention of the City Government the Commission's analysis of what ought to be accomplished through these various Departments for the improvement of the Recreation situation in Somerville.

The Commission's general analysis has been stated in its Annual Report for 1925, in the Report of the Director, page 25. The Commission believes now, as then, that any considerable progress for Recreation depends on the City's accepting that analysis and acting upon the conclusions it offers. Attention is respectfully called to page 25 and following pages in the Commission's Annual Report for 1925.

That statement began with the following paragraphs:—

“Eight years of legal recognition of Recreation as a distinct element of public welfare have passed. Naturally the Commission's first duty has been that of exploring—investigating the nature of its task:—studying the general relation of Recreation to a Community's well-being, discovering the peculiar needs of Somerville, devising means for coping with local needs and problems, and organizing its policies, corps of workers, and mode of procedure. Its financial expenditures have been extremely small. During this eight-year period, your Commission and the workers under its direction have eagerly and ceaselessly studied the problem in hand. From time to time your Commission and these workers have defined their conclusions and offered their recommendations for use by the City Government in discharging its duty to Somerville in the field of this well-recognized department of modern public welfare. In all of these repeated recommendations, proposals for financial appropriations have been notably modest. The most severe economy has been practiced always.

“During this time a well-organized system of outdoor recreation for children, limited, unfortunately, to certain sections of Somerville, restricted to a comparatively few days of each year, and seriously impeded by lack of facilities not within the Commission's power to provide, has been evolved:—a system whose results, it may be affirmed without hesitation, are far beyond the proportions of the money expended. And beginnings have been established in a recreation program for adults.

“That the exploratory time has passed, and that no further considerable progress can be made in meeting the very great recreational needs of this Community without a far-reaching movement on the part of the

City Government calculated to extend this system to the entire Community, to remove the impediments in the lack of facilities mentioned, and to make unnecessary the limiting of the benefits from your Commission's work to a small fraction of the year, is the central idea of this statement . . . ”

This statement in the 1925 Report then points out that the first steps necessary to progress must be made, not by any of the Executive Departments in question, but by the City Government. These first necessary steps by the City Government are summed up on page 27 of the Commission's 1925 Report, as follows:

- “(a) Provision for increased emphasis on those branches of the work under the City Engineer's, Building, Water, and other Departments that have to do with Recreation facilities.
- “(b) Recognition of the essential fact that the grounds for play, buildings for storage, basins for wading pools, baseball diamonds, etc., are, of nature, “Recreation tools,” the utilization of which should be largely directed by the Recreation Commission.
- “(c) Substantial increase in appropriation of funds to all of these Departments, with specification that the Recreation Commission's intentions and plans be regarded and consulted in the disposition of these funds;
- “(d) Substantial increase in appropriation of funds to the Recreation Commission.”

To assist the City Government in the task suggested by items (a), (b), and (c), in the foregoing paragraph, the Commission, in the same 1925 Report, offered a “Five Year Program.” This program is to be found on page 5 of the Commission's Report for that year. During the years that have since passed, some specific accomplishments, included in the Five Year Program, have been realized. They are mentioned below. Below also are pointed out again the further steps which are urgently recommended to the City Government for prompt action in 1930.

Item (d) above, calling for increased appropriation to the Recreation Commission, has been acted upon in part by the City Government. Increased appropriations during the years

1926 to 1929 have made possible the extension of play supervision during the Summer, Spring and Fall; a more effective organization of the supervisory corps; and the addition of a few Saturday Playground units.

In pursuance of the Five Year Program the following items of accomplishments may be summarized:—

Partial resurfacing of some school yards.

One running track has been constructed at the Somerville Field.

A section of Foss Park has been set apart as a playground, and partly resurfaced.

Some provision for Public Bath House and beach on the Mystic River.

In pursuance of the work of the Commission itself, as distinguished from the work under these other Departments, the Commission again calls attention to the report of the Director, included in this Report; and strongly urges attention to the Directors' recommendations.

The Commission recommends in pursuance of the Five Year Program that a sufficient sum of money be appropriated to the Commissioner of Public Buildings,

- (1) To complete the resurfacing of the following school yards, which are in poor condition, and where supervised play activities are carried on under this Commission:—Morse, Bennett and Southern Junior High.
- (2) To plant shade trees on the grounds of the Perry, Hodgkins, Western Junior High and Bennett Schools.
- (3) To meet cost of heating, lighting and janitor service for Recreational uses, in the evening, of the High School Gymnasium and several other Public Buildings.

In like manner the Commission urges that a definite increase of funds be allowed to the City Engineer for the following purposes:

1. Resurfacing Lincoln Park, Kent St. Playground, Joy St. Playground, John M. Woods Playground, and portions of Richard Trum Field.

2. Fencing—Joy St. Playground; and the unfenced sections of the Glen St. and John M. Woods Playgrounds.
3. Planting of shade trees on: Lincoln Park, Richard Trum Field, John M. Woods Playground, Kent St. Playground border, Glen St. Playground, Joy St. Playground border.
4. Erecting suitable field houses with shower baths and storage rooms on the larger playgrounds.
5. Erection on several of the playgrounds of additional swings and other permanent apparatus with special emphasis on the John M. Woods and Glen St. Playgrounds.
6. Enlarging the wading pool at Lincoln Park and installing wading pools on other playgrounds.
7. Completing the work of converting part of Foss Park into a playground.
8. "Manning" the task of providing, protecting and preserving ice in season for skating at Richard Trum Playground, Glen St. Playground, Kent St. Playground and Foss Park Playground.
9. Completing the work on the running track at Dilboy field, recently constructed under the City Engineer, so that it may be put to the triple use originally intended by water-proofing the pool which it encircles, for use as a wading pool in Summer and a hockey rink in Winter.
10. Completing the work for suitable bathing conditions at the Mystic River.
11. Construction of facilities for tobogganning in Winter.

Additional to the suggested appropriation to those Departments, mentioned above, which control and handle the Tools of Recreation, the year 1930 calls for definite increased expenditures by this Commission:—

1. For renewal of equipment on some playgrounds.
2. For purchase of needed new equipment.
3. For increase in the supervisory force commensurate with the increase of playground attendance.

4. For extension of the Summer Playgrounds season.
5. For increase in the number of units of Saturday supervised play.
6. For supervision and promotion of After School Play.
7. For promotion and supervision of Adult Recreation on indoor and out-of-doors, through Adult Athletic Leagues, Twilight sessions at Playgrounds, Indoor Evening Recreation centers for men and women; and the well organized public use of the High School Gymnasium.

There remains before the Commission the rapidly growing need for more playground space, most especially playgrounds of the smaller, "neighborhood" type, suitably equipped and adequately conditioned for use especially by the younger children. Immediate provision in this direction is recommended, so that the children of this city may play in safety. The Commission judges the need to be especially great in the following districts:—

1. The district bounded by Central and Cedar Streets, Highland Ave. and the "Boston and Lowell" railroad tracks—the district which centers at the junction of Lowell and Albion Streets.
2. Willow Ave. section north of Highland Ave. in the vicinity of the Brown School.
3. The extreme easterly section of Somerville, near Charlestown.
4. The vicinity of Gilman Square.
5. The Prospect Hill—Central Hill—School Street district.
6. Upper Winter Hill section, North of Broadway.
7. The vicinity of Davis Square and Cutter Square.
8. The upper Tufts College section.

Finally the Commission repeats its recommendation of a year ago, that the City provide a motor-cycle police officer for the sole purpose of patrolling, during the playground seasons the playgrounds and public parks, so as to assure the children of security, and protect the City's property.

The Commission has strong evidence that citizens generally approve the plans for continued progressive improvement in the Recreation situation, and asks further careful consideration of His Honor the Mayor, and the Honorable Board of Aldermen, as well as the support of those to whom the suggested improvements will bring benefits.

Respectfully submitted for the Commission,

CHARLES S. CLARK, *Chairman.*

REPORT OF THE DIRECTOR

To the Recreation Commission:—

At the beginning of this Annual Report to your Commission by the Director, attention is recalled to the controlling factor in the conduct of the Commission's business for 1929:—namely, that the sum of money available for the work under the Commission for the year was $3\frac{1}{10}\%$ in excess of the sum appropriated for the year just preceding. As compared with \$12,608 for the year 1928, \$13,008 was available for 1929—an increase of \$400.

With the policy of the Commission largely determined by this fact, the program of work under the Commission has called for the same limitation of activities and the same part-time basis for all of the branches of the work as in the previous years, rather than a program of expansion in accordance with the standing policy of the Commission.

The increased funds available have made possible improvements in the work, and the meeting of certain needs; and these improvements and the record of needs met are here reported. Since the degree of advance is largely measured by the increased amount of funds available, the reporting consists chiefly in recording the distribution of the additional funds.

Also to be mentioned in this report are a few new features in the methods of carrying out the existing program. These features have to do for the most part with the Summer Playgrounds season. They include the introduction and successful conduct of certain new activities, the intensifying of certain activities, and the slight numerical enlargement of the supervisory corps.

Distribution of 1929 Increase of Appropriation

The chief items indicating how the increase of appropriation for 1929 was applied are as follows:

- 1, Purchase of a Mimeograph machine, accessories and supplies.

2. Greater emphasis and expenditure on public city displays throughout the city, intended to increase playground attendance.
3. Addition of one unit of Saturday supervised play on "Neighborhood Playgrounds," involving employment of two additional workers:—commencing September 20.
4. Slight increase in average salary of Summer Playgrounds' workers, resulting from the presence in the corps of a larger percentage of more experienced workers than in any previous Summer season.
5. Enlargement of Summer Playgrounds supervisory corps.
6. Equipment for larger use of bulletin boards to stimulate playground activities and attendance, by posters, etc.

The use of the Mimeograph machine has been a force for increased efficiency in the conduct of the work, most especially the Summer Playgrounds work; and the availability of the machine during the years ahead makes the purchase of it an accomplishment in economy. The many advantages of such a device will be manifest upon consideration of the large number of units in the Summer Playgrounds system, the problem of communicating uniformly from headquarters to a large corps of workers in scattered locations, etc. Form letters, multiple copies of rules and directions for games, directions for folk dances and handcraft, multiple copies of schedules, publication of standings of teams in athletic leagues, uniform bulletin-board posters, multiple copies of diagrams and sketches, etc., have been made with minimum effort and minimum expenditure of time, and minimum cost. Uniformity of method has been promoted; bulletin boards made more attractive; cost of typing reduced; and more prompt results obtained from directions issued to playgrounds from headquarters.

Since the beginning of the Playground work under your Commission, one effective method of promoting public interest and children's interest in playground activities has been the display of prizes in various places throughout the city. This method has been used more extensively from year to year and with increasing effectiveness. Beginning in 1928, playground snapshots, posters, and other pictorial devices were added to the displays used in connection with the Summer Playgrounds. The proper attending to these displays, including the procuring

and arranging of display windows in shops, has absorbed much energy and time on the part of the regular workers in supervision. For the Summer of 1929 this form of publicity was practiced still more extensively by the display of artistically lettered and arranged posters, calculated to increase the interest of parents and citizens and to give them more pointed information regarding the play opportunities for children. This extension and intensifying of the publicity and display work has made necessary the enlistment of paid part-time service by a young man trained in lettering, sketching, decorative art, and the art of window display. About \$100 was devoted to payment for this service. And the relieving of the other workers from this activity enabled them to give more time to the regular features of their play leadership and supervision. In connection with this work in displays, the same employe was active in production of posters, etc. for use on Playground bulletin boards; and also of large canvas banners used as trophies in certain special inter-playground competitive activities. Both of these features are discussed below.

Beginning in September, with the reopening of the season for Saturday supervised play, the John M. Woods Playground was added to the units under supervisors on Saturdays. Eleven such units are now under supervision. Between the date mentioned and December 31, about \$75 has been expended for payment of workers' salaries and for play equipment at this new unit. The results are, in the Director's judgment, satisfactory.

Playground bulletin boards have long been used on our Playgrounds for promoting and sustaining interest in the various activities. Schedules, announcements, newspaper clipping, scores in Playground games, suggestive lists of things to do, news of other Playgrounds, team line-ups, etc., are examples of what these boards carry. In the previous (1928) Summer Season, the effectiveness of the bulletin boards was increased by varying their uses. The pictorial side of bulletin-board display was increased. The bulletin boards not only succeeded better as a medium for promoting other activities, but became themselves one of the important features of Playground life. Children spent considerable time inspecting and discussing the pictures and other features displayed. In keeping with the demand, larger and more expensive bulletin boards were provided. Again, in the Summer of 1929, larger and more attractive posters were used, especially in promoting special inter-playground activities, discussed below. A special part-time

employee (mentioned above) included among his duties that of supplying these posters and such letterings as were requested by the other workers on the respective Playgrounds. The 1929 Summer season has demonstrated the value of emphasizing the pictorial and artistic phase of Playground bulletin boards.

Conduct of Summer Playgrounds' Activities.

New Features and Activities

The following features are to be noted in the conduct of the Summer Playgrounds' work of the 1929 season:

The reorganization of the supervisory corps, made for the season of 1928, and tried in a somewhat experimental way for that season, justified itself in 1929 beyond all question, in the Director's judgment. As a result of the 1928 experiences, the respective workers in the corps were highly efficient in 1929; and the new organization made possible a greater degree of effectiveness in the work of the most experienced workers, eliminated administrative problems, and simplified the coordination of the various units. In connection with this item, it seems proper to state that a most important factor in the effectiveness of the work during the season is the skill, conscientious and faithful effort, tact, and vision of Misses Mary L. Harrington and Olive E. Holmes, both Supervisors.

The same cooperative, loyal, conscientious and skillful service on the part of the Play Leaders, Masters, Supervisors and Assistants as a whole, which the Director has reported previously, were conspicuous during the 1929 Summer season. These characteristics of the workers' service have made possible the success of the new activities and new methods mentioned below.

To increase interest and activity on the Summer Playgrounds, a special program of weekly inter-playground events for boys was arranged, with the competitive event changing each week, and being held each week on a different Playground. This focused each week attention on one Playground, and also insured a variety of interest and activity throughout the season. Of course, the competitive nature of the events tended to all-week and all-season interest, since daily practice was involved. The selection of activities excluded the more common activities in favor of novel and hitherto unemphasized ones. Thus the entire program was conducted parallel with, rather

than in substitution for, the baseball leagues, paddle tennis activities, track and field athletics, handwork, etc. Typical events in the special every-week program were Tug-of-War, Quoits, Demonstration of Novel Games, Chariot Race, and Kick Baseball. For the Playground winning in each competition, a banner indicating the "Championship" was awarded and displayed on the Playground throughout the remainder of the season.

After the first week of the program here reported, its success prompted the arrangement of a corresponding program for girls, with appropriate competitive activities, somewhat less frequent, than those for boys.

Another feature of the season was the emphasis, within the supervisory corps, of detailed planning of daily and weekly programs. Mimeographed blanks, in triplicate, were supplied the workers, and the form of the blanks enabled the Director and Supervisors to observe and assist the planning of the Masters and Leaders. These plan sheets also facilitated the mutual exchange of ideas among workers on the various grounds. The sheets were so used and so arranged that the children shared largely in the planning by indication of their desires as to play activities. This was made possible through "the power of suggestion" when the triplicate copy, while the advance program was being thought out, was displayed on the Playground bulletin board. In the Director's judgement, by this method the knowledge of the workers was broadened, the initiative of children promoted, the responsibility for varied activity impressed upon some workers, and ingenuity in planning encouraged among all workers.

The Inter-Playground Athletic Meet, conducted similarly to that reported in 1928, attracted even greater attention in 1929.

Inter-Playground Paddle Tennis was more notably spectacular during the past season than ever before. The final tournament assumed such proportion as to take rank with the Inter-Playground Athletic Meet and the Twilight Play Festival to form a trio of special closing events in place of the two which hitherto have won public interest. This tournament, held at twilight in Lincoln Park during the closing week of the Summer season, made necessary the use of twenty-five courts simultaneously, with 150 players entered in the "doubles," from sixteen Playgrounds—both boys and girls.

The Twilight Play Festival, demonstrating to the public and to the City Government the typical activities of the Summer, was for the first time conducted at Richard Trum Field. More than 3500 children participated. About 6000 persons in addition witnessed the spectacle. Many comments from citizens have been forwarded to the Director in commendation of the program, the choice of location, the spirit of the children, etc. Most particularly the event seems to have demonstrated the efficiency, skill, faithful effort and cooperative spirit of the Play Leaders, Supervisors, Masters and Assistants.

As a final item among the outstanding features of the Summer season should be mentioned the success of the unit at the John M. Woods Playground. Over a period of three years since this area was made available for supervised play in season, there has been a steady growth in play spirit and in attendance. During the Summer of 1929 this center was outstanding in the matters of sustained interest, varied activity, good attendance, and excellent play spirit among both boys and girls. The Director regards this situation as another illustration of what can be done, given the facilities and the proper leadership, for a district lacking traditions and spirit of play.

Financial Summary

Following is a financial summary for 1929:

APPROPRIATED

Annual Appropriation	\$13,000 00
Receipts	8 06
Transfer Appropriation, Dec. 26.....	35 00
Total Appropriation	\$13,043 06

EXPENDED

Equipment and Supplies	\$3,075 86
Teaming and Trucks	208 88
Automobile Maintenance	183 35
Personal Disbursements	159 25
Office Supplies, Mimeograph Machine and Printing	495 68
Postage	61 18
Telephone	86 55
Music	85 80
Salaries and Wages:	
Director	\$1,304 17
Supervisors, Leaders & Instructors....	6,569 20

Laborers and General Helpers	400 50	
Clerks	376 35	
		8,600 22
All Other		84 70
Total Expenditures		\$13,041 47
Unexpended Balance		\$1 59

Recommendations

The following recommendations are respectfully submitted by the Director:

- (1) Expansion of Summer Playgrounds Organization to include new units at premises of the following schools:—Brown, Highland, Cutler, Edgerly and Bingham.
- (2) Providing at the Glen Street Playground a surface, seats, shelter-house and trees.
- (3) Securing more adequate play space and improved conditions of present areas at Joy Street, Bennett School, and Kent Street grounds.
- (4) Early completion of the Playground in the rear of the Western Junior High School.
- (5) Resurfacing the Morse School Playground.
- (6) Purchase of land for additional Playgrounds, especially for serving smaller children near their homes; with particular attention to the district which centers at the intersection of Lowell and Albion Streets.
- (7) The planting of some shade trees on several of the Playgrounds to provide natural shelter for the future.
- (8) Increasing the length of Summer supervision.
- (9) Increasing the number of Saturday Playgrounds' units so as to make the organization city-wide.
- (10) Provision of necessary field equipment for Tennis, Field Hockey, Soccer, etc., for use in the after-school sessions of Supervised Athletics.
- (11) Employment of a part-time, all-year, clerical worker to assist the Director and to act as clerk for the Commission.
- (12) Provision for out-door active recreation in Winter for children and adults, such as Hockey, Tobogganing, and Skiing.

- (13) Providing a Recreation Center, with others to follow, for women, on parallel lines with those of the young men's center.
- (14) Provision for additional facilities for indoor athletics and physical exercises at Recreation Centers for men.
- (15) Appropriation of funds for promotion of adults' athletic leagues in Baseball, Hockey, Basketball, etc.
- (16) Appropriation for promoting Community Drama and kindred activities as community recreation.

The foregoing recommendations have to do with those branches of the work to which, by the present activities, your Commission is definitely committed, or to which the City Government is already committed through the work of other Departments. Below are submitted, in addition, suggestions looking toward expansion of the plans to raise municipal recreation from its hitherto undefined level to the more definite and comprehensive plans to which it is destined, if Somerville is to meet the problem presented by its large and congested population.

Pageantry.
Dramatic Clubs.
Other Activities in Drama.
Forum.
Civic Meetings.
Music Week.
Public "Hikes."
Lectures.
Hockey Rinks.
Aquatic Sports' Day at Somerville Beach.
Vacant Lot Playground Campaign.
Marble Tournament.

Respectfully submitted,

FRANCIS J. MAHONEY,

Director.

Dec. 27, 1929.

REPORT OF THE POLICE DEPARTMENT

To the Honorable the Mayor and the Board of Aldermen of the City of Somerville, Mass.

Gentlemen :

Herewith please find the annual report of the Somerville Police Department for the year ending December 31, 1929.

To promote the efficiency of the department, the following recommendations are offered.

The installation of a system of flash lights in the various squares and at other points in the city, for the purpose of notifying officers in any section to get in immediate communication with headquarters, in cases of emergency.

That a modern police building be constructed to replace the present structure that is now inadequate, unsanitary and dangerous; together with a suitable garage for the proper housing and care of the motor equipment of the department.

That a new, thoroughly equipped and up-to-date ambulance be purchased for the exclusive use of sick and accident cases, thereby relieving the present combination ambulance and patrol from sick and accident calls.

Also that new ford cars be purchased to replace the car now in use by the sergeants, the present Pierce Arrow touring car, and a third car for the use of the liquor squad. The replacing of the motor cycles now in use by the traffic department with new machines and the purchase of one additional motor cycle for the use of the traffic officer now teaching safety in the schools of the city.

The installation of additional traffic lights in the various squares and at other points in the city where the traffic conditions may warrant. The purchase of a new "Inhalater" to replace the present obsolete "Lung Motor" for use in accident cases. The purchase of gas guns and bombs, also gas masks so that the department may be better able to cope with the methods of the present day criminal.

Also strongly recommend the purchase of new revolvers in exchange for revolvers now in use by many of our patrolmen, for the purpose of standardizing our ammunition and doing away with confusion and danger now existing from that cause.

The appointing of a male stenographer in the office of Chief of Police, for the better handling of correspondence and the clerical work of the department. That the present salary of our Matron be increased two hundred dollars per year.

In conclusion, that an additional four patrolmen be appointed to the present force, to be available for service on or about June 6, of the current year.

Sincerely yours,

THOMAS DAMERY,

Chief of Police.

Arrests

Whole number of arrests made		2,617
With and without warrants	2,103	
On summonses and notification	514	
	<hr/>	2,617
Males	2,480	
Females	137	
	<hr/>	2,617
Americans	1,896	
Foreign born	721	
	<hr/>	2,617
Residents	1,596	
Non-residents	1,021	
	<hr/>	2,617

1. Crimes and Offenses Against the Person

Accosting	1
Assault	6
Assault and Battery	104
Assault and Battery on a police officer	3
Assault with a dangerous weapon	2
Assault, Mutual	2
Assault with intent to commit a felony	4
Assault with intent to commit rape	1
Assault with intent to rob	1
Manslaughter	1
Murder	2
Rape	3

Robbery, armed	1
Robbery	4
Threats and intimidation	2

137

2. Crimes and Offenses Against Property

Attempt, larceny of automobile	1
Breaking and entering, attempt	9
Breaking and entering	4
Breaking and entering and larceny	50
Breaking glass	1
Breaking glass in building	6
Breaking street lights	2
Concealing leased property	2
Fraudulent conveying	1
Injury to property	6
Larceny, attempt	2
Larceny of automobiles	25
Larceny	152
Malicious injury to property	1
Receiving stolen goods	7
Trespass	17

286

3. Crimes and Offenses Against Public Order, Etc.

Adultery	2
Capais	67
Conspiracy	28
Cruelty to animals	2
Default	21
Disorderly house	1
Disturbing a public assembly	9
Dog keeping, unlicensed	7
Drunkenness	1,062
Drunkenness, common	1
Escaped from prison	2
Exposure of person	5
Failure to label mattresses	1
Fire-arms, carrying without a permit	2
False alarm of fire	1
Fire crackers, setting off	1
Forgery	4
Fornication	2
Gaming and being present	23
Glass breaking	5
Installing electricity, no license	1
Lewd cohabitation	8
Lewdness	2
Lottery tickets, possession	4
Neglect of parent	28
Neglect to support	126
Neglected children	11
Peddling without a license	4
Profanity	2
Runaway boys	6
Runaway girls	1
Safe keeping, demented	35

Selling ammunition to a minor	1	
Setting fire to a building	1	
Stealing ride on electric car	2	
Straggler U. S.	3	
Stubbornness	9	
Suspicious persons	8	
Throwing missiles	3	
Uttering forged instrument	1	
Vagrants	1	
Violations of city ordinances	58	
Violation of illegitimate child act	18	
Violation of labor laws	23	
Violation Lord's Day	8	
Violation of Liquor Laws	103	
Violation of motor vehicle laws	441	
Violation of narcotic drug law	1	
Violation of probation	4	
Violation of the pure food law ..	7	
Violation and revoke of parole	5	
Violation of school laws	10	
Walking on railroad	13	
		<hr/>
		2,194

Recapitulation

(1) Crimes and Offenses Against the person	137	
(2) Crimes and Offenses Against property	286	
(3) Crimes and Offenses Against Public Order, etc.	2,194	
Total number of arrests made		<hr/>
		2,617
Bailed to appear elsewhere	17	
Released from custody	10	
Released by probation officer (drunkenness)	1	
Surrendered to other officers, institutions, etc.	149	
		<hr/>
		177

Note:—Two hundred and twelve of the above number of cases were juveniles and delinquents.

Miscellaneous Reports

Abandoned automobiles	90
Accidents reported	1,568
Amount of property stolen	\$121,059.69
Amount of stolen property recovered	278,449.10
Amount of property lost	2,289.55
Amount of property found	114.01
Assaults and assaults and battery	23
Attempts to break and enter	50
Attempted larceny	4
Bombs found	4
Buildings broken and entered	296
Buildings found open	454
Cruelty to animals	1
Dead animals found.....	96
Defective bridges	20
Defective catch basins and sewers	13
Defective electric lamps	8
Defective hydrants and gates	54
Defective manholes	8
Defective police signal service.....	8

Defective sidewalks	306
Defective signs and sign-posts	299
Defective streets	163
Defective wires	40
Disturbances	76
Disturbances suppressed	4
Dogs killed	28
Dogs vicious	96
Fires, false alarm	2
Fires, needless alarm for	3
Fires reported	285
Gas leaks	2
Gas poisoning	33
Houses unoccupied	33
Indecent exposure of person	5
Larcenies, no value given	163
Larcenies	694
Lost children	284
Lost children found	284
Malicious mischief	137
Missing persons	164
Missing persons found	163
Obstructions on sidewalks and streets	26
Obstructions on sidewalks and streets not lighted...	16
Obstructions on sidewalks and streets lighted	16
Panes of glass broken	346
Permits to labor on the Lord's Day	107
Persons accosted	14
Persons bitten by dogs	69
Persons notified	400
Persons rescued	2
Property lost, no value given	69
Property found, no value given	65
Robbery and attempts to rob	21
Runaway children found	10
Runaway horses captured	2
Sidewalks and streets dangerous from snow and ice	64
Sudden deaths	4
Suspicious persons	44
Stray bullets	5
Stray dogs and other animals	163
Stray dogs and other animals found	23
Street lights reported	1,899
Sidewalks, streets and cellars flooded	5
Summons served for witnesses and defendants to ap- pear in court in other places ..	1,484
Threats	0
Tree dangerous	39
Trespass	10
Violations of city ordinances	147
Water pipes leaking ..	73
Windows broken	47

OFFICIAL ROSTER OF DEPARTMENT

Chief of Police

Thomas Damery

Captains

- | | |
|----------------------|---------------------|
| 1—Michael T. Kennedy | 3—Ernest Howard |
| 2—John A. Ray | 4—Charles J. Sharry |

Lieutenants

- | | |
|---------------------|-------------------|
| 1—James M. Harmon | 3—Thomas P. Walsh |
| 2—William G. Kenney | 4—Robert T. Blair |

Sergeants

- | | |
|----------------------------|-----------------------|
| 1—Frank H. Graves | 5—Daniel M. O'Connell |
| 2—James M. Lynch | 6—John J. Killourhy |
| 3—Augustine J. Fitzpatrick | 7—Thomas M. Sharry |
| 4—Charles J. Fulton | 8—Augustine F. Sharry |
| 9—Joseph A. Dwyer | |

Patrolmen

- | | |
|-------------------------|--------------------------|
| 1—Daniel G. Simmons | 28—John L. Cameron |
| 2—Samuel Burns | 29—Francis P. Higgins |
| 3—John A. Dadmun | 30—John J. McCahey |
| 4—George L. Rice | 31—Alexander Morrison |
| 5—Myron S. Gott | 32—Jeremiah O'Connor |
| 6—Henry A. Sudbey | 33—Timothy Buckley |
| 7—Thomas F. McNamara | 34—Michael J. O'Loughlin |
| 8—Louis F. Arnold | 35—Charles W. Shepherd |
| 9—Charles S. Johnston | 36—John J. Shay |
| 10—Claude L. Crossman | 37—Edward G. Butman |
| 11—John J. Cummings | 38—John P. L. O'Keefe |
| 12—Edmund J. Keane | 39—Alfred E. Robitaille |
| 13—Denis Downey | 40—Allan S. Burns |
| 14—George A. C. Peters | 41—William H. Donovan |
| 15—Louis J. Belzarini | 42—George R. Allan |
| 16—Walter Reed | 43—Jeremiah Keniry |
| 17—Dennis G. Mulqueeney | 44—Edward F. Culliton |
| 18—Patrick J. Doolin | 45—Alfred J. McFadden |
| 19—Edward J. Hopkins | 46—James A. Fitzpatrick |
| 20—Walter L. Groves | 47—Elmer E. G. Raymond |
| 21—Patrick McGrath | 48—Frank J. Roche |
| 22—Bernard McCabe | 49—Chester F. Warner |
| 23—Harry C. Young | 50—George D. MacDonald |
| 24—Robert D. Dewar | 51—Charles F. Lacey |
| 25—Peter Moore | 52—William E. Dwyer |
| 26—Albert C. Hawes | 53—Charles H. McAvoy |
| 27—Walter C. Oesting | 54—James F. Holmes |

- | | |
|-------------------------|----------------------------|
| 55—Earle W. Elliott | 85—Patrick F. O'Brien |
| 56—Michael J. Dowd, Jr. | 86—Jeremiah G. Sheehan |
| 57—Patrick J. Lyons | 87—John J. Gallagher |
| 58—Thomas A. Donovan | 88—Daniel J. McAuliffe |
| 59—Thomas J. Flanagan | 89—George B. Phillips, Jr. |
| 60—Timothy J. Corkery | 90—Ricco J. Rossi |
| 61—Henry W. Roche | 91—John J. Cronin |
| 62—John H. Baker | 92—John M. Dunleavey |
| 63—John J. Courtney | 93—Harold L. Coffey |
| 64—Pierce P. Ronayne | 94—Joseph F. Curran |
| 65—Joseph P. Blake | 95—James M. Powers |
| 66—Frank A. Silva, Jr. | 96—Cornelius P. Canavan |
| 67—Dennis F. Kearney | 97—George W. McCauley |
| 68—LeRoy V. Pierce | 98—Garret F. J. Mehigan |
| 69—John J. Smith | 99—Daniel J. O'Connell |
| 70—Francis R. Begley | 100—Arthur W. Kelley |
| 71—Francis X. Cavanagh | 101—Thomas F. Galvin |
| 72—Joseph F. Small | 102—Walter L. McDonough |
| 73—Edward G. Forristall | 103—John H. McKenzie |
| 74—August S. Cidado | 104—William R. Burnett |
| 75—Hugh R. Cunningham | 105—Alfred J. Carey |
| 76—James Souza | 106—William J. Baird |
| 77—Garnet L. Reid | 107—Joseph F. Fedele |
| 78—Jeremiah F. Donovan | 108—William F. Blake |
| 79—Daniel J. Riley | 109—James G. Hourihan |
| 80—George R. Estee, Jr. | 110—William H. Griffin |
| 81—John J. Brosnahan | 111—William E. Johnson |
| 82—George Spiers | 112—Ludwig Nelson |
| 83—Charles W. Ellis | 113—John J. Hagerty |
| 84—Stephen D. McDonald | 114—George H. Strangman |
| 115—George Gullage, Jr. | |

Matron

Mrs. Mina T. Weeks

Assistant Matron

Mrs. Ida M. Justice

Pensioners Retired on Half Pay

Ira S. Carlton, patrolman	May 9, 1907
James J. Pollard, patrolman	Feb. 27, 1908
Herbert Hilton, patrolman	Dec. 21, 1911
George H. Carlton, sergeant	Mar. 27, 1914
Jacob W. Skinner, patrolman	Dec. 31, 1917
Elmer E. Drew, patrolman	July 25, 1918
Ernest S. Goff, patrolman	July 11, 1919
Charles W. Allen, patrolman	Mar. 26, 1920
Charles E. Woodman, lieutenant	June 24, 1921
Frederick G. Jones, patrolman	Feb. 9, 1923
Hudson M. Howe, patrolman	Sept. 24, 1925
Charles W. Reick, patrolman	June 25, 1927
Frank C. Hopkins, patrolman	June 25, 1927
Edward M. Davies, patrolman	Sept. 23, 1927
Theodore E. Heron, patrolman	Sept. 28, 1927
Edward M. Carter, patrolman	Dec. 17, 1928
Charles A. Kendall, chief	Dec. 12, 1929

CHANGES IN THE FORCE

Retirement

Chief Charles A. Kendall, retired and placed on pension December 12, 1929.

Deaths

Retired pensioner, Frederick H. Googins, died April 24, 1929.

Promotions

Captain Thomas Damary, promoted to chief, December 27, 1929.
Lieutenant Charles J. Sharry, promoted to captain, December 27, 1929.

Appointments

William H. Griffin, appointed patrolman	Feb. 25, 1929
William E. Johnson, appointed patrolman	Feb. 16, 1929
Ludwig Nelson, appointed patrolman	Feb. 16, 1929
John J. Hagerty, appointed patrolman	Feb. 16, 1929
George H. Strangman, appointed patrolman	Feb. 18, 1929
George Gullage, Jr., appointed patrolman	Dec. 14, 1929

Police Signal Service

Number of duty calls made by officers and patrolmen	290,387
Telephone calls made by officers and patrolmen	65,944

White Combination Automobile Service

Number of runs made in conveying prisoners to station.....	918
Number of prisoners conveyed	1,080
Number of sick and injured conveyed	40
Number of miles run in conveying prisoners, sick injured, etc.	5,248.8

Reo Combination Automobile Service

Number of runs made in conveying prisoners to station.....	68
Number of prisoners conveyed	103
Number of sick and injured conveyed	681
Number of miles run in conveying prisoners, sick, injured, etc.	3,076.6

Touring Car Reports

Number of prisoners conveyed to station	87
Number of sick and injured conveyed	12

REPORT OF POLICE MATRON

THOMAS DAMERY,

Chief of Police, Somerville, Mass.

Dear Sir:—

The following is the matron's report for year ending December 31, 1929.

Adultery	1
Assault and battery	11
Assault with dangerous weapon	1
Capias	4
Concealed mortgaged property	1
Conspiracy	4
Default warrant	4
Disturbing the peace	1
Drunkenness	28
Escape of insane	1
Fornication	1
Keeping disorderly house	1
Keeping liquor for sale	1
Keeping unlicensed dog	2
Larceny	26
Lewdness ..	2
Lost children	53
Murder	1
Runaway	1
Neglected children	6
Safe-keeping	8
Stubbornness	5
Violation of city ordinances	1
Violation of liquor laws	14
Violation of motor laws	4
Violation of probation	1
Warrant	2
Lewd and lascivious cohabitation	4
Total	189

The regular work of the department has been faithfully carried out.

Respectfully submitted,

MRS. MINA T. WEEKS, *Matron,*MRS. IDA M. JUSTICE, *Assistant Matron.*

REPORT OF THE LIQUOR SQUAD

THOMAS DAMERY,

Chief of Police.

Dear Sir:—

I herewith submit a report of the activities engaged in by the Liquor Squad from January 1, 1929, to December 31, 1929 inclusive.

Arrests

Drunkenness	36
Violation of the liquor laws	95
Violation of the automobile laws	9
Violation of gaming laws	23
Violation of city ordinances	3
Warrants served	10
Assault and battery	3
Fornication	2
Keeping disorderly house	1
Larceny	1
Forgery	1
Total	184

Dispositions in District Court

Liquor fines paid	\$6,450.00
All other fines	788.00
Jail sentences, no appeal (total 12 months)	4
Jail sentences, appealed (total 54 months)	17
Not guilty	5
Suspended sentences (total 9 months)	3
On file	3
Default	2
Held for Grand Jury	11
Sentenced to State Farm	4

Dispositions in Superior Court

Liquor fines paid	\$4,025.00
All other fines	135.00
Jail sentences (total 56 months)	14
Not guilty	12
Cases pending	3
Probation	1
On file	1
Samples analyzed by Department of Health	88
Complaints investigated	279

Search warrants served	72
Number of gallons of liquor seized	397
Sale of junk from raids	\$68.06
Houses padlocked	10

Respectfully submitted,

CHARLES J. SHARRY,

Captain of Police.

AUTOMOBILE AND TRAFFIC DEPARTMENT REPORT, 1929

The following is the report of Sales, Transfers and Reported Stolen and Recovered Automobiles for the year ending December 31, 1929.

Number of licenses granted by the Mayor and Board of Aldermen for the purchase, sale and transfer of second hand automobiles:

First class	19
Second class	16
Third class	10
Total	45
Number of purchases, sales and transfers by dealers	6,611
Number of individual sales and transfers	1,839
Number of stolen automobiles reported by the several insurance agencies, and detective bureaus in the United States and Canada	10,291
Reported recovered by the same	9,210
Number of automobiles stolen in Somerville	341
Number of automobiles stolen in Somerville recovered	329
Number of automobiles stolen in Somerville not recovered	12
Automobiles reported stolen in Boston and vicinity, recovered in Somerville	262
Number of automobiles tagged for violation of street and traffic ordinances	2,980
Number of cases investigated by request of the Registrar of Motor Vehicles	561
Total number of cards filed	26,200

Respectfully submitted,

DANIEL G. SIMONS,
Officer in Charge.

REPORT OF THE CITY CLERK

OFFICE OF THE CITY CLERK,

January 1, 1930.

To the Honorable the Mayor and the Board of Aldermen:
Gentlemen:

The following is respectfully submitted as the fifty-eighth annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1929.

The receipts and payments were as follows:

Balance for year 1928 being for dog licenses issued in December, 1928:		
8 males at \$2.00	\$16 00	
2 females at \$5.00	10 00	
1 spayed at \$2.00	2 00	
	<hr/>	
	\$28 00	
Less city clerk's fees paid to the city treasurer, 11 at \$.20	2 20	
	<hr/>	\$25 80
For dog licenses issued in 1929:		
921 males at \$2.00	\$1,842 00	
192 females at \$5.00	960 00	
156 spayed at \$2.00	312 00	
	<hr/>	\$3,114 00
For hunting and fishing licenses issued in 1929:		
602 sporting licenses at \$2.25	\$1,354 50	
3 trapping licenses at \$2.25	6 75	
7 alien sporting licenses at \$15.25	106 75	
10 minor trapping licenses at \$.75	7 50	
7 duplicate licenses at \$.50	3 50	
	<hr/>	\$1,479 00
Recording mortgages, assignments, etc.:		
968 papers	\$1,378 90	
Certificates of marriage intentions:		
1247 licenses	1,247 00	
Furnishing copies of records	381 00	
Licenses:		
Auctioneers, 22 licenses at \$2.00	44 00	
Billiard and pool tables and bowling alleys, 173 licenses for 118 tables and 55 alleys at \$2.00.....	346 00	
Bus route licenses, 9 at \$25.00	225 00	
	<hr/>	
Carried forward	\$3,621 90	\$4,618 80

Brought forward	\$3,621 90	\$4,618 80
Bus licenses, 100 at \$10	1,000 00	
Drain layers, 10 licenses at \$1.00	10 00	
Drivers' licenses, 433 including 338 licenses to drive buses, at \$1.00	443 00	
Engines and motors, 31 licenses at \$1.00	31 00	
Garages, 33 licenses at \$2.00	66 00	
Hackney carriages, 61 licenses at \$1.00	61 00	
Intelligence offices, 6 licenses at \$2.00	12 00	
Junk and second hand licenses:		
31 licenses at \$10.00	310 00	
13 licenses at 25.00	325 00	
Liquor licenses (third class) 21 at \$1.00	21 00	
Lodging house licenses, 43 at \$2.00	86 00	
Second hand auto licenses, 45 at \$25.00	1,125 00	
Slaughtering licenses, 11 at \$1.00	11 00	
Street Musician, 2 at \$.50	1 00	
Storage of explosives, 57 licenses at \$1.00	57 00	
Transient Vendors, 3 at \$25.00	75 00	
Victuallers' licenses, 110 at \$2.00	220 00	
Wagon licenses, 41 at \$1.00	41 00	
Wagon stand, 54 at \$1.00	54 00	
Permits for projections over sidewalks, for 48 electric signs, including 7 granted in 1928		
14 stationary signs		
6 swing arms, including 2 granted in 1928		
5 barber signs		
5 awnings		
2 banners		
1 marquee		
1 filling trap		
3 reflectors		
4 metal signs		
1 ash hoist		
94 licenses at \$1.00	94 00	
Badges	6 25	
Certificate of cropping	1 00	
Physicians registrations	2 50	
Filing certificates, 53 at \$.50	26 50	
Copies of zoning ordinance	30 00	
		7,731 15
		<hr/>
		\$12,349 95

Payments

To Charles E. Hatfield, county treasurer, June 1 and December 1 receipts for dog licenses from December 1, 1928 to November 30, 1929, both inclusive:	
921 males at \$2.00	\$1,842 00
193 females at \$5.00	965 00
153 spayed at \$2.00	306 00
	<hr/>
	\$3,113 00
Less city clerk's fees, 1267 at \$.20.....	253 40
	<hr/>
	\$2,859 60

To the Commissioners on Fisheries and Game
for licenses for hunting in 1929:

602 sporting licenses at \$2.25	\$1,354 50	
3 trapping licenses at \$2.25	6 75	
7 alien sporting licenses at \$15.25	106 75	
10 minor trapping licenses at \$.75	7 50	
7 duplicate licenses at \$.50	3 50	
	<hr/>	
	\$1,479 00	
Less city clerk's fees, 622 at \$.25.....	155 50	
	<hr/>	\$1,323 50

To the city treasurer monthly:

City clerk's fees for issuing and record- ing dog licenses, 1269 at \$.20	\$ 253 80	
City clerk's fees for issuing and record- ing hunting licenses, 622 at \$.25	155 50	
All the receipts above specified except for dog licenses and hunting licenses	7,731 15	
	<hr/>	\$8,140 45
		<hr/>
		\$12,323 55

Total Payments

Balance, January 1, 1930, being for dog licenses issued in December, 1929:		
8 males at \$2.00	16 00	
1 female at \$5.00	5 00	
4 spayed at \$2.00	8 00	
	<hr/>	
	29 00	
Less city clerk's fees, paid to the city treasurer, 13 at \$.20	2 60	
	<hr/>	26 40
		<hr/>
		\$12,349 95

Licenses and Permits

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, without charge, as follows:

To hold religious services in streets and squares	2
To parade in streets with music, etc.	9
Newsboys	28
Children under fifteen take part in entertainments	2
Boxing	2
To use auto with musical attachment through streets	5
To hold street meeting	1
To hold auto parade	2
To hold bowling matches	1
To hold block party	1
To sell flowers	1

BIRTHS

1929

Number of births reported by physicians and midwives for 1929:

Males	878
Females	756

A canvas of the city is at present being made under the direction of the city clerk as required by section 5, chapter 29, of the Revised Laws, to ascertain the facts required for record relative to children born during the year.

As the information derived from such canvas will not be available in time sufficient for its incorporation in this report, a statement in full of the births of 1929 will be given in the City Clerk's report for the year 1930.

1928

The following is a statement in full of the births for 1928:

Number of births (exclusive of still-births) in Somerville in 1928 registered		1,832
Males	956	
Females	876	
		1,832
Born of American parents	792	
Born of foreign parents	632	
Born of American father and foreign mother	163	
Born of foreign father and American mother	210	
Born of American mother and father of unknown nationality	21	
Born of foreign mother and father of unknown nationality	13	
Born of father and mother of unknown nationality	1	
		1,832
Number of still-births in Somerville in 1928 as registered	56	
Number of births in other places in 1928 registered	813	
Number of cases of twins	23	

MARRIAGES

1929

Number of intention certificates issued in 1929	1,252
More than previous year	37
Marriages registered	1,309
More than previous year	35
Both parties American	771
Both parties foreign	234
American groom and foreign bride	144
Foreign groom and American bride	160
	1,309

First marriage	2,329	
Second marriage	271	
Third marriage	17	
Fourth marriage	1	
	—	1309 couples

DEATHS

1929

(Exclusive of still-births)

Number of deaths in Somerville in 1929		947
Less than previous year		112
Males	411	
Females	536	
	—	947
Under ten years of age	132	
10 and under 20 years of age	18	
20 and under 30 years of age	42	
30 and under 40 years of age	38	
40 and under 50 years of age	78	
50 and under 60 years of age	102	
60 and under 70 years of age	214	
70 and under 80 years of age	188	
80 and under 90 years of age	99	
90 years of age and over	36	
	—	947
Age of oldest person deceased — 98 years		
Born in Somerville	160	
Born in other places in the United States	407	
Of foreign birth	380	
	—	947
Number of deaths in January	129	
" " " " February	104	
" " " " March	93	
" " " " April	85	
" " " " May	77	
" " " " June	51	
" " " " July	55	
" " " " August	56	
" " " " September	73	
" " " " October	62	
" " " " November	77	
" " " " December	85	
	—	947

The number of still-births during the year was forty-five. In addition to the above 347 deaths which occurred elsewhere were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

ORDINANCES

Somerville, January 1, 1930.

The following ordinances have been adopted since the printing of the annual reports for the year 1928:

ORDINANCE NO. 143

An Ordinance Relative to Associate Members of the Board of Appeal

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. The associate members of the Board of Appeal whom this city is authorized to appoint under the provisions of Chapter 81 of the Acts of the Legislature of Massachusetts for the year 1928 shall be three in number. They shall be appointed as soon as this ordinance takes effect to serve one for one year, one for two years and one for three years and thereafter as their terms expire their successors shall each be appointed for three years, all to serve until the first Monday of January and until their successors are appointed and qualified.

Section 2. When the services of an associate member are needed, His Honor the Mayor shall appoint such associate member to act with said board.

Section 3. This ordinance shall take effect upon its passage.

Approved February 19, 1929.

ORDINANCE NO. 144

An Ordinance Amending the Building Zone Ordinance

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. Section 1 of the Building Zone Ordinance adopted December 30, 1925, is hereby amended by striking out in the second line the word "six" and inserting in place thereof the word "seven", also by inserting after the words "Residence 'A' Districts" the words "Residence A-1 Districts," also by inserting after the words "these districts" the words "except Residence A-1 Districts," also by adding to Section 1 the following:

The boundaries of Residence A-1 Districts are as follows: A certain tract of land bounded northeasterly by Powder House Square; southeasterly by a line parallel with College Avenue and distant one hundred and fifty feet southeasterly therefrom; southwesterly by the southwesterly side of Morrison Avenue and said Southwesterly side extended northwesterly to a point one hundred and fifty feet northwesterly from College Avenue and northwesterly by a line parallel with College Avenue and distant one hundred fifty feet northwesterly therefrom.

Section 2. Section 4 of said building zone ordinance is amended by adding the following at the end thereof: Residence A-1 District Uses. Within any Residence "A-1" District any use and building and structure permitted and as regulated in Residence "A" Districts shall be permitted and in addition thereto apartment houses to wit, building divided into suites of rooms, each suite intended for residence of one family or housekeeping unit provided such apartment houses are of first-class or second-class construction, each apartment house costing not less than \$100,000. No other uses, buildings or structures shall be permitted in said Residence A-1 Districts.

Section 3. Certain provisions of said building zone ordinance shall apply to such apartment houses namely:

Section 10 paragraphs (c) (g) and (h)

Section 11 paragraphs (b) (c) (d) and (e)

Section 12 paragraphs (b) (d) (e) (f) (g) and (j)

Section 13 paragraphs (b) (d) (e) and (f)

Section 14 the entire section except paragraph (e)

No other provisions in said sections 10, 11, 12, 13, and 14 shall apply to such apartment houses.

Section 4. This ordinance shall take effect upon its passage.

Approved February 21, 1929.

ORDINANCE NO. 145

An Ordinance to Amend Ordinance No. 117 Relative to Signs over Sidewalks

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. Ordinance No. 117 entitled "An Ordinance Relative to Signs over Sidewalks" is hereby amended by striking out the word "six" in line three and line four and inserting the word "nine" in place thereof in Section 2, so that said Section shall read as follows: Section 2. No permit shall be granted to place or maintain or cause or allow to be placed or maintained over a public way any sign or advertising device more than nine feet in its greatest length or extending more than nine feet from the street line over the public way or extending from the street line beyond one foot within the outer line of the sidewalk or at a height of less than nine feet at the lowest part thereof above the sidewalk.

Section 2. This ordinance shall take effect 60 days after date of its publication.

Approved February 21, 1929.

ORDINANCE NO. 146

An Ordinance Amending the Building Zone Ordinance

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. Ordinance No. 114 entitled The Building Zone Ordinance and The Building Zone Map accompanying same is hereby

amended by changing from Residence "C" District to a Business District a certain parcel of land numbered 55 to 57 Chester Street; being lot one on plan of lots for T. C. Connor by Dana E. Perkins, C.E., dated February 22, 1895, bounded as follows: Southeasterly by Chester Street, forty-two and 11/100 feet; Southwesterly, by lot numbered two (2) on said plan seventy-five and 34/100 feet; Northwesterly, by lot numbered three (3) on said plan forty feet; Northeasterly by land now or late of Leckie and Haskins, sixty-three and 69/100 feet.

Section 2. This ordinance shall take effect upon its passage.

Approved March 29, 1929.

ORDINANCE NO. 147

An Ordinance Amending Ordinance No. 144 Entitled "An Ordinance Amending the Building Zone Ordinance"

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. Ordinance No. 144 entitled "An Ordinance Amending the Building Zone Ordinance" is hereby amended by adding the following at the end of Section 1. "Also a certain tract of land bounded southeasterly by Walnut Street, southwesterly by a line parallel with Highland Avenue and distant one hundred and fifty feet southwesterly therefrom, northwesterly by a line parallel with School Street and distant one hundred feet southeasterly therefrom, northeasterly by a line parallel with Highland Avenue and distant one hundred and fifty feet northeasterly therefrom.

Also a certain tract of land bounded southeasterly by a line parallel with School Street and distant one hundred feet northwesterly therefrom, southwesterly by a line parallel with Highland Avenue and distant one hundred and fifty feet southwesterly therefrom, northwesterly by a line parallel with Central Street and distant one hundred and seventy-five feet southeasterly therefrom, northeasterly by a line parallel with Highland Avenue and distant one hundred and fifty feet northeasterly therefrom.

Section 2. All the tracts of land above described are hereby removed from the district in which they were formerly placed.

Section 3. This ordinance shall take effect upon its passage.

Approved May 14, 1929.

ORDINANCE NO. 148

An Ordinance Amending the Building Zone Ordinance

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. The tract of land hereinafter described is hereby removed from "Industry A" district and shall hereafter be a "Residence C" district. A certain tract of land comprising the area on both sides of Dana Avenue now zoned as "Industry A" district.

Section 2. This ordinance shall take effect upon its passage.

Approved May 14, 1929.

ORDINANCE NO. 149**An Ordinance Establishing Arthur Street as a One Way Street,
Southwesterly**

Be it ordained by the Board of Aldermen of the City of Somerville,
as follows:

Section 1. No person shall cause or allow a vehicle other than a vehicle propelled by hand to pass along any portion of Arthur Street, from Broadway to Bonair Street, except in a southwesterly direction.

Section 2. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offence.

Section 3. This ordinance shall take effect upon its passage.

Approved July 3, 1929.

ORDINANCE NO. 150**An Ordinance Amending the Building Zone Ordinance**

Be it ordained by the Board of Aldermen of the City of Somerville,
as follows:

Section 1. The tract of land hereinafter described is hereby removed from Residence "A" district and shall hereafter be a Business District. A certain tract of land comprising the premises numbered 8 Curtis Street now zoned as Residence "A" district.

Section 2. This ordinance shall take effect upon its passage.

Approved July 12, 1929.

ORDINANCE NO. 151**An Ordinance Amending the Building Zone Ordinance**

Be it ordained by the Board of Aldermen of the City of Somerville,
as follows:

Section 1. The tract of land hereinafter described is hereby removed from Residence "B" district and shall hereafter be a Residence "C" district. A certain tract of land comprising the premises numbered 22 and 24 Cottage Avenue now zoned as Residence "B" district.

Section 2. This ordinance shall take effect upon its passage.

Approved July 12, 1929.

ORDINANCE NO. 152**An Ordinance Prohibiting Parking on Portion of Broadway,
at Marshall Street**

Be it ordained by the Board of Aldermen of the City of Somerville,
as follows:

Section 1. No person shall cause or allow a vehicle to remain standing in that portion of Broadway from the southwesterly corner of Marshall Street, a distance of sixty feet southwesterly for more than one hour.

Section 2. This ordinance shall not apply to vehicles left standing while taking or leaving passengers or while receiving or delivering merchandise and other articles from and to the adjoining premises.

Section 3. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offence.

Section 4. This ordinance shall take effect upon its passage.

Approved July 26, 1929.

ORDINANCE NO. 153

An Ordinance Establishing Browning Road as One Way Street

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. No person shall cause or allow a vehicle other than a vehicle propelled by hand to pass along any portion of Browning Road, between Central Street and Sycamore Street, except in a general south-easterly direction.

Section 2. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offence.

Section 3. This ordinance shall take effect upon its passage.

Approved July 26, 1929.

ORDINANCE NO. 154

An Ordinance Establishing Leland Street and Dane Avenue, As One Way Streets

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. No person shall cause or allow a vehicle other than a vehicle propelled by hand to pass along any portion of Leland Street, from Washington Street, northerly or along any portion of Dane Avenue, from Leland Street, westerly.

Section 2. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offence.

Section 3. This ordinance shall take effect upon its passage.

Approved July 26, 1929.

ORDINANCE NO. 155**An Ordinance Amending the Building Zone Ordinance**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. The tracts of land hereinafter described are hereby removed from "Residence A District" and shall hereafter be a "Business District."

(a) A certain tract of land comprising the estates numbered 379 and 387 Alewife Brook Parkway, being (lots A-B-106-107) on said Parkway, also adjoining lot No. 162 on Gordon Street, containing approximately 19,903 square feet of land.

(b) A certain tract of land comprising the estate numbered 395 Alewife Brook Parkway, being (lots numbered 165, 166, 167, 168) on said parkway, containing approximately 20,000 square feet of land.

Section 2. This ordinance shall take effect upon its passage.

This ordinance returned by the Mayor with his objections thereto was passed in Board of Aldermen July 31, 1929, the objections of the Mayor notwithstanding, in the manner prescribed by the city charter, and thereby shall be in force.

ORDINANCE NO. 156**An Ordinance Amending the Building Zone Ordinance**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. The tract of land hereinafter described is hereby removed from Residence "B" district and shall hereafter be a Business district. A certain tract of land known as lot number 46 on Alpine Street, adjoining the estate numbered 147 Cedar Street containing approximately 7695 square feet of land.

Section 2. This ordinance shall take effect upon its passage.

Approved September 19, 1929.

ORDINANCE NO. 157**An Ordinance Establishing Charles Street and Murray Street, as One Way Streets**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. No person shall cause or allow a vehicle other than a vehicle propelled by hand to pass along any portion of Charles Street except in a southerly direction; or along any portion of Murray Street except in a northerly direction.

Section 2. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offense.

Section 3. This ordinance shall take effect upon its passage.

Approved October 11, 1929.

ORDINANCE NO. 158**An Ordinance Prohibiting Parking on Wester Avenue for more than one half hour**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. No person shall cause or allow a vehicle to remain standing in Webster Avenue between Prospect Street and the Somerville-Cambridge line for more than one half hour.

Section 2. This ordinance shall not apply to vehicles left standing while taking or leaving passengers or while receiving or delivering merchandise and other articles from and to the adjoining premises.

Section 3. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offense.

Section 4. This ordinance shall take effect upon its passage.

Approved October 11, 1929.

ORDINANCE NO. 159**An Ordinance Amending the Building Zone Ordinance**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. The tract of land hereinafter described is hereby removed from a "Residence B District" and shall hereafter be a "Business District." A certain tract of land comprising the parcel of vacant land on the westerly side of Myrtle Street, next lot north of Myrtle Place, containing approximately 14,020 square feet of land.

Section 2. This ordinance shall take effect upon its passage.

Approved December 6, 1929.

ORDINANCE NO. 160**An Ordinance Amending the Revised Ordinances of 1929**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. Section 2 of chapter 33 of the Revised Ordinances of 1929 is hereby amended by adding thereto the words "meats, butter and cheese" after the word "vegetables" so that said section shall read as follows: Section 2. No person except itinerant venders, wholesale or jobbers having a permanent place of business in this Commonwealth and selling to dealers only, and commercial agents or other persons selling at wholesale by sample, lists, catalogues or otherwise for future delivery, shall go from place to place in this city carrying for sale or barter fish, fruit, vegetables, meats, butter or cheese without a license therefor from the commission. This ordinance shall not apply to any person who peddles only fruit and vegetables or other farm products raised or produced by himself or family.

Section 2. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offense.

Section 3. This ordinance shall take effect upon its passage.

Approved December 13, 1929.

ORDINANCE NO. 161

An Ordinance Establishing Congress Place and Poplar Street as One Way Streets

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:

Section 1. No person shall cause or allow a vehicle other than a vehicle propelled by hand to pass along any portion of Congress Place except in a northerly direction; or along any portion of Poplar Street, between Linwood Street and Somerville Avenue, except in a southerly direction.

Section 2. Whoever violates any provision of this ordinance shall be liable to a penalty of not exceeding twenty dollars for each offense.

Section 3. This ordinance shall take effect upon its passage.

Approved December 13, 1929.

Liquor License Question

The following is a statement of the votes, during the several years of its submission to the people, on the question of granting licenses for the sale of intoxicating liquors (and certain non-intoxicating beverages) in this city, together with the number of registered voters and the estimated population for each year:—

YEAR.	YES.	NO.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION.
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,892
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	9,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500
1905	2,483	4,660	531	11,340	*69,272
1906	2,193	5,204	582	11,571	70,000
1907	1,735	4,591	459	11,558	74,000
1908	1,780	4,760	491	12,777	75,500
1909	1,830	4,601	530	12,479	75,500
1910	1,544	3,968	365	12,522	*77,236
1911	2,193	4,841	492	13,226	80,000
1912	2,421	6,182	546	13,854	81,000
1913	2,348	6,431	550	13,417	82,000
1914	2,178	5,535	488	13,404	85,000
1915	1,705	5,262	379	13,805	*86,854
1916	1,100	4,158	271	14,500	88,000
1917	1,291	3,457	232	13,826	90,000
1918	690	1,935	161	13,477	90,500
1919	2,777	2,297	261	14,810	91,000
1920				27,307	*93,091
1921	5,143	8,751	2,992	27,545	95,000
1922					96,000
1923	7,266	9,822	4,382	28,149	97,000
1924					98,000
1925				34,434	*99,032
1926				33,210	101,000
1927				32,491	103,000
1928				42,766	104,000
1929				39,735	105,000

CITY GOVERNMENT AND OFFICERS FOR 1929

MAYOR

LEON M. CONWELL, 17 Monmouth Street

BOARD OF ALDERMEN

President, DAVID Y. ROSS

Vice-President, LOUIS C. GOBRON

WARD ONE

ELMER B. HAYES, Alderman at large	18 Benedict Street
JOHN J. CROWLEY	21 Cutter Street
HAROLD G. KNAPP	10 Rhode Island Avenue

WARD TWO

GEORGE W. PRATT, Alderman at large	35 Clark Street
ROBERT W. HOULEY	39 Dane Avenue
JAMES F. STYNES	29 Parkdale Street

WARD THREE

WILLIAM S. HOWE, Alderman at large	15 Summit Avenue
ERNEST C. CARR	79 Boston Street
THOMAS F. MACKEY	58 Preston Road

WARD FOUR

CHARLES C. GRIMMONS, Alderman at large	72 Thurston Street
ARTHUR G. PEARSON	369 Broadway
DAVID Y. ROSS	73 Sycamore Street

WARD FIVE

ENOCH B. ROBERTSON, Alderman at large	39 Highland Road
ARTHUR P. DIONNE	8 City Road
PATRICK HENRY RYAN	31 Richardson Street

WARD SIX

LEE C. KITSON, Alderman at large	11 Henry Avenue
WALDO P. ELLIOTT	205 College Avenue
LOUIS C. GOBRON	6 Liberty Avenue

WARD SEVEN

WARREN L. DALTON, Alderman at large	74 North Street
ROBERT C. HARRIS	28 Paulina Street
PHILIP SHERMAN	21 Moore Street

City Clerk, JASON M. CARSON
(died February 6, 1929)

City Clerk, NORMAN E. CORWIN
(elected February 11, 1929)

Assistant City Clerk, WILLIAM C. ARBUCKLE
(appointed February 28, 1929)

City Messenger, FRED E. HANLEY

Regular meetings, second and fourth Thursday evenings of each month, at eight o'clock, except when such Thursday is a holiday, in which case the meeting is held on the preceding Tuesday evening.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN

ELECTRIC LINES AND LIGHTS — Aldermen Ryan, Pratt, Carr, Dalton and Hayes.

FINANCE — The President, Aldermen Grimmons, Robertson, Houley, Gobron, Sherman and Mackey.

LEGISLATIVE — Aldermen Sherman, Crowley, Elliott, Stynes and Pearson.

LICENSES AND PERMITS — Aldermen Hayes, Harris, Carr, Pratt, Crowley, Elliott, and Ryan.

PUBLIC PROPERTY — Aldermen Knapp, Howe, Dionne, Gobron and Houley.

PUBLIC SAFETY — Aldermen Robertson, Mackey, Grimmons, Kitson and Harris.

PUBLIC WORKS — Aldermen Kitson, Pearson, Stynes, Howe, Dionne, Dalton and Knapp.

SCHOOL COMMITTEE

Chairman, EDWIN A. SHAW

Vice-Chairman, FRANCIS J. FITZPATRICK

HON. LEON M. CONWELL, Mayor, Ex-officio
17 Monmouth Street

DAVID Y. ROSS, President of the Board of Aldermen, Ex-officio
73 Sycamore Street

WARD ONE

FRANCIS J. FITZPATRICK
WALTER ELTON WHITTAKER

2 Austin Street
135 Walnut Street

WARD TWO

ELIZABETH J. CAIRNES	10 Mossland Street
WILLIAM F. DEWIRE	284 Washington Street

WARD THREE

JOHN C. KELLEHER	8 Bigelow Street
JAMES C. SCANLAN	36 Munroe Street

WARD FOUR

ALICE P. RUSSELL (resigned)	233 School Street
A. MARION MERRILL (elected June 13, 1929)	2 Madison St.
MINNIE S. TURNER	64 Hudson Street

WARD FIVE

FRANCIS J. DALEY	107 Bartlett Street
EDMUND M. LANIGAN	136 Lowell Street

WARD SIX

HERBERT CHOLERTON	94 College Avenue
EDWIN A. SHAW	63 College Avenue

WARD SEVEN

WILLIAM NEWBOLD	12 Curtis Avenue
CRAWFORD K. SWEELEY	25 Curtis Avenue

Superintendent and Secretary EVERETT W. IRELAND

Regular meetings last Monday of each month, except July and August, when none are held.

ASSESSORS

FRED E. WARREN, Chairman (term expires 1932)
 HARRY VAN IDERSTINE (term expires 1932)
 J. ROBERT FENELON (term expires 1931)
 DAVID B. ARMSTRONG (term expires 1930)
 HORACE A. LEWIS (term expires 1930)

Assistant Assessor

FRED B. CLAPP

BOARD OF HEALTH

JAMES A. KILEY (term expires 1931)
 JESSE S. NEWCOMB (term expires 1930)
 CHESLIE A. C. RICHARDSON, M.D., Chairman
 (term expires 1930)

Clerk, LAURENCE S. HOWARD

Agent, GEORGE I. CANFIELD

Medical Inspector, FRANK L. MORSE, M.D.

Inspector of Animals and Provisions, CHARLES M. BERRY.

Inspector of Milk and Vinegar, HERBERT E. BOWMAN.

BOARD OF APPEAL

FREDERICK J. WHITE, Chairman (term expires 1930)
WALTER T. LITTLEFIELD, Secretary (term expires 1932)
FREDERICK J. DREYER (term expires 1931)
FREDERICK A. DUTTON (term expires 1931)
EUGENE A. F. BURTNETT (term expires 1930)

Associate Members

HARRIS GORDON (term expires 1932)
WARREN A. PERRY (term expires 1931)
JOHN W. WHITNEY (term expires 1930)

LICENSING COMMISSION

WILLIAM J. SHANAHAN (term expires 1932)
EUGENE M. CARMAN (term expires 1931)
WILLIAM H. SMITH (term expires 1930)

DEPARTMENT OF PUBLIC WELFARE

FRED E. DURGIN, Chairman (term expires 1932)
WILBUR F. LEWIS (term expires 1931)
JAMES D. SHARKEY (term expires 1930)
Agent, WILLIAM E. COPITHORNE

City Clerk

JASON M. CARSON (died February 6, 1929)
NORMAN E. CORWIN (elected February 11, 1929)

Assistant City Clerk

WILLIAM C. ARBUCKLE (appointed February 28, 1929)

City Treasurer and Collector of Taxes

JOSEPH S. PIKE

City Messenger

FRED E. HANLEY

Mayor's Secretary

CARL H. TOBEY

BOARD OF ELECTION COMMISSIONERS

WILLIAM F. BURNS, Chairman (term expires 1932)
CHARLES LEO SHEA (term expires 1931)
FRANCIS W. K. SMITH (term expires 1930)
JASON M. CARSON, Secretary (died February 6, 1929)
NORMAN E. CORWIN, Secretary (resigned April 11, 1929)
ARTHUR G. BURTNETT, Secretary (term expires 1932)
(appointed April 11, 1929)

PUBLIC LIBRARY TRUSTEES

THOMAS M. DURELL, Chairman (term expires 1931)
J. FRANK WELLINGTON (term expires 1932)
WILLIAM L. BARBER (term expires 1931)
FRANK M. BARNARD (term expires 1932)
GEORGE E. WHITAKER (term expires 1930)
ARTHUR L. HASKELL (term expires 1931)
WILLIAM H. DOLBEN (term expires 1930)
WILLIAM J. ENNIS (term expires 1930)
FRANK R. NICKERSON (term expires 1932)

SOMERVILLE RECREATION COMMISSION

CHARLES S. CLARK (term expires 1930)
MARY M. McGANN (term expires 1930)
WINNIFRED P. DAVIS (term expires 1931)
GEORGE H. EVANS (term expires 1931)
PEARL L. CALDWELL (term expires 1930)
JENNIE E. STOWELL (term expires 1930)
HERMAN D. BERLEW (term expires 1931)
(resigned March 28, 1929)
ERNEST W. DANFORTH (term expires 1931)
JOSEPH J. PINCUS (term expires 1930)
ARTHUR A. FORTE (term expires 1931)
(appointed May 23, 1929)
MRS. ARTHUR W. HURLBURT (term expires 1931)

Sealer of Weights and Measures

BENJAMIN S. ABBOTT

Fence Viewers

CHARLES M. BERRY
JACOB WARD SKINNER

**Agent of Military and State Aid and Soldiers' Relief
and Burial Agent**

BENJAMIN S. ABBOTT

City Solicitor

FRANK W. KAAH

City Auditor
HOWARD E. WEMYSS

City Engineer
ERNEST W. DANFORTH

Commissioner of Streets
ASA B. PRICHARD

Commissioner of Public Buildings and
Inspector of Buildings
GEORGE L. DUDLEY

Commissioner of Electric Lines and Lights
WALTER I. FULLER

Water Commissioner
FRANK E. MERRILL

Superintendent of Sanitary Department
ELBRIDGE G. LAVENDER

Clerk of Committees
RICHARD A. KEYES

Chief of Police
CHARLES A. KENDALL (retired December 12, 1929)
THOMAS DAMERY (appointed December 26, 1929)

Chief Engineer of the Fire Department and
Inspector of Petroleum
SEWALL M. RICH (retired September 30, 1929)
JOSEPH A. CRIBBY, Acting Chief

City Physician
FRANK E. BATEMAN

ANNUAL REPORTS

Inspector of Plumbing

DUNCAN C. GREENE

Inspector of Milk and Vinegar

HERBERT E. BOWMAN

Inspector of Animals and Provisions

CHARLES M. BERRY

PLANNING BOARD

FRANK H. BIGNOTTI (term expires 1932)

WALDO D. PHELPS (term expires 1930)

GEORGE J. RAUH (term expires 1933)

MRS. P. EDMUND ROSE (term expires 1931)

DAVID J. KELLEY, Secretary (term expires 1934)

CONSTABLES

CHARLES M. AUSTIN

JOHN W. BAIN

CHARLES W. F. BENNETT

PHILIP J. BEYER, JR.

ROBERT T. BLAIR

MICHAEL P. CAHILL

WILLIAM E. COPITHORNE

DANIEL F. COUGHLIN

THOMAS DAMERY

WILLIAM J. DiGUISEPPE

CHARLES L. ELLIS

THOMAS R. FINNIGAN

PHILIP FLAXMAN

ACHILLE FORTE

ARTHUR L. GILMAN

FRED E. HANLEY

JAMES M. HARMON

ERNEST HOWARD

WARREN S. JOHNSTON

FRANK B. KARCHER

CHARLES A. KENDALL

MICHAEL T. KENNEDY

CHARLES T. KENNEY

WILLIAM G. KENNEY

ABRAHAM LANDA

FRANCIS W. LEARY

WILLIAM H. MOODY

JOHN A. RAY

JOHN F. SCANNELL

CHARLES J. SHARRY

THOMAS P. WALSH

EDMOND WILLIAMS

SOMERVILLE WATER WORKS

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS

Settled, when part of Charlestown, 1630
(Home of Colonial Governor John Winthrop)
Incorporated a town, 1842
Established a city, 1872

Location: Somerville City Hall (near centre of the city), is $2\frac{3}{4}$ miles northerly from State House, in Boston.

Greatest extent of the City north and south about 4.2 miles.

Greatest extent of the City east and west about 2.1 miles.

Elevation Highland avenue at City Hall 105 feet above mean low water.

Lowest building elevation in the city 13 feet

Highest building elevation in the city 145 feet

Area of City, including land and water, about 4 22 square miles

Land, 2,461.50 acres; water and marsh 238.50 acres

Population, 1920 census, 93,033

Present population estimated 103,860

Entire population on line of pipe and supplied with water

Water works owned by City of Somerville

Construction commenced in 1868

Source of supply: Metropolitan system, taking water of the Nashua river at Clinton, Mass.

Range of pressure on street mains:

Low service 35 to 65 pounds

High service 45 to 100 pounds

Mayor

HON. LEON M. CONWELL

Water Commissioner

FRANK E. MERRILL

Office of the Water Department

City Hall, Highland Ave, corner School St.

Department Buildings and Yard

Cedar Street, near Broadway

ADMINISTRATION OF WATER WORKS
VESTED AS FOLLOWS

1868 — 1871

SOMERVILLE MYSTIC WATER COMMITTEE (5)

Acts 1868; Chap. 202

1872 — 1890

SOMERVILLE MYSTIC WATER BOARD (5)

Acts 1871; Chap. 182

1891 — 1897

SOMERVILLE MYSTIC WATER BOARD (3)

Acts 1890; Chap. 218

1898 — 1899

BOARD OF WATER COMMISSIONERS (3)

Acts 1898; Chap. 33

1900 —

WATER COMMISSIONER (1)

Acts 1899; Chap. 240

REPORT OF THE WATER COMMISSIONER

OFFICE OF THE WATER COMMISSIONER

January 3, 1930.

To His Honor, the Mayor, and the Board of Aldermen:—

I persent herewith my report for the year ending December 31, 1929, this being the fifty-fifth annual report of the water department and my twenty-ninth as water commissioner:

Revenue and Expenditures

Water bills have been issued as follows:—

Metered: Quarterly Accounts	\$215,172 76	
Monthly Accounts	153,118 87	
		\$368,291 63
Temporary		2,372 57
		\$370,664 20
Amounts abated	457 85	
Carried forward	903 12	1,360 97
		\$369,303 23
Income from sale of water		
Receipts; water service assessments	\$5,573 41	
Receipts; labor and materials sold:		
Misc. accounts charged	10,342 37	
Adjustments	\$190 68	
Carried forward ...	191 13	381 81
		\$9,960 56
		15,533 97
Total income of water works		\$384,837 20
This amount was used as follows:—		

Under Control of the Water Commissioner

Water Works Maintenance	\$95,824 95	
Water Works Extension	30,351 11	
Miscellaneous accounts:		
Maintenance	15,533 97	
		\$141,710 03

Not Under Control of the Water Commission

Metropolitan water assessment	\$195,150 98	
Maintenance water works buildings	1,605 15	
		196,756 13
		338,466 16
Balance to city treasury		46,371 04
Total		\$384,837 20

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished without charge to all the city departments that have required its use and it is paid for out of the income from sale of water.

Department Receipts and Disbursements

WATER MAINTENANCE ACCOUNT

Appropriations made by Board of Aldermen....	\$111,550 00	
Department accounts; receipts	229 26	
Water works extension accounts; receipts	15,208 97	
Amount expended for labor and materials for operation, maintenance, and renewal of the water works	\$95,824 95	
Amount expended for materials used in extension of the water works	15,203 97	
Miscellaneous accounts	15,533 97	
Labor and materials furnished municipal departments	1,229 26	
Balance	191 08	
	<hr/>	
	\$127,988 23	\$127,988 23

WATER WORKS EXTENSION ACCOUNT

Appropriations made by Board of Aldermen....	\$40,000 00	
Department accounts; receipts	175 75	
Service transfers from maintenance	1,886 14	
Amount expended for labor and materials used in extension of the water works.....	\$30,351 11	
Labor and materials furnished municipal departments	175 75	
Transferred to other accounts by Board of Aldermen	10,500 00	
Balance	1,035 03	
	<hr/>	
	\$42,061 89	\$42,061 89

Cost of Water Works

The total cost of water works on December 31, 1928, as represented by the expenditures from appropriations for water works extension was	\$1,381,060 42
Expended during the year 1929, on extension account	30,351 11
	<hr/>
Total expenditures, December 31, 1929.....	\$1,411,411 53

Water Works Income from 1898 and its Distribution

The water income and its distribution from 1898 to 1929, inclusive, is shown in the following table:—

Total water income	\$8,257,628 88
--------------------------	----------------

Distribution:—

Water Works Account

Water Works Construction, Renewal, Maintenance, Operation and Miscellaneous Accounts	\$2,474,429 81
Water bonds	274,000 00
Interest	86,575 00
Metropolitan Water Assessments	3,532,413 73
Maintenance Water Works Buildings	23,509 09
	<hr/> \$6,390,927 63

Other Municipal Accounts

Various municipal departments through specific appropriations and general revenue account	\$1,866,701 25
	<hr/> \$8,257,628 88

Water Distribution System—Construction

STREET MAINS

Approximate number of feet of street mains in the city, January 1, 1929, (including hydrant branches and blow-offs)		581,385
Feet of street mains laid in 1929	4,463	
Feet of hydrant branches laid in 1929	157	
Feet of blow-off branches laid in 1929	80	
	<hr/>	
Total feet of pipe laid	4,700	
Feet of pipe removed or replaced	1,569	
	<hr/>	
Net increase in feet of pipe		3,131
		<hr/>
Total approximate feet of pipe in the city		584,516
Total pipe mileage, approximately		110.70

The sizes and lengths laid and discontinued are as follows:

Size	Feet Laid	Feet Discontinued
1"	0	309
1½"	0	0
2"	0	1,045
4"	310	17
6"	1,432	28
8"	85	12
10"	0	0
12"	866	118
14"	32	40
16"	1,975	0

The pipes constructed and replaced during the year are as follows:—

	Size	Feet Laid	Feet Discontinued	Size
Bartlett Street	8"	8	8	6"
Beckwith Circle	4"	108	108	2"
Bradford Avenue	6"	170	170	2"
Broadway Terrace	8"	73		
Broadway Terrace	6"	74		
Cedar Street, H. S.	16"	1865		
Cedar Street H. S.	14"	12	20	14"
Cedar Street, L. S.	12"	8	8	12"
Cedar Street, L. S.	14"	20	20	14"
Cedar Street, L. S.	16"	110	110	12"
Cedar Street Place	4"	89	102	1"
Cedar Street Place	6"	13		
Cottage Circle	4"	69	69	2"
Elm Court	6"	106	106	2"
Endicott Avenue	6"	4		
Endicott Avenue	12"	270		
Fairmount Avenue	4"	36	36	2"
Gibbens Street	6"	12		
Hooker Avenue	12"	159		
Hudson Street	8"	4	4	8"
Kensington Avenue	12"	415		
Olive Square	6"	159	159	2"
Park Place	6"	357	{ 300 57	2"
Thorpe Street	6"	35		1"
Victoria Street	12"	12		
Victoria Street	6"	89	97	2"
Villa Avenue	6"	34		
Vine Court	6"	150	150	1"
Woodstock Street	12"	2	2	8"
		<hr/> 4,463	<hr/> 1,526	
Hydrant Branch	6"	157	6	8"
Hydrant Branch			20	6"
Hydrant Branch			7	4"
Blow-offs	4"	8	10	4"
Blow-offs	6"	72		
		<hr/> 4,700	<hr/> 1,569	

Hydrants, Gates, Etc.

Number of fire hydrants in city January 1 1929		1,280
Number set during the year	20	
Number removed during the year	9	
	<hr/>	
Net increase in number of hydrants		11
	<hr/>	
Total number of public fire hydrants		1,291
Number of private fire hydrants, January 1, 1929		80
Total number of private fire hydrants receiving their supply from the city mains		80
Number of gates in the city January 1, 1929		2,343
Number set during the year for streets	16	
Number of section gates set	8	
Number set on hydrant branches	22	
Number set on blow-off branches	6	
	<hr/>	
		52
Number of street gates removed	2	
Number of section gates removed	0	
Number of street sprinkled gates removed	0	
Number of hydrant branch gates removed	1	
Number of blow-off gates removed.....	1	
	<hr/>	
		4
	<hr/>	
Net increase in number of gates		48
Total number of gates in city		2,391
Number of check-valves in city January 1, 1929		9
Number added during the year		0
	<hr/>	
Total number of check-valves		9
Number of blow-offs in city January 1, 1929		199
Number added during the year		5
	<hr/>	
Total number of blow-offs		204
Number of waterposts in city January 1, 1929		61
Number removed during the year		0
	<hr/>	
Total number of waterposts		61
Number of drinking fountains in city January 1, 1929		8
Number added during the year		0
	<hr/>	
Number now in the city		8
Number of car-sprinkler connections January 1, 1929		15
Number set during year		0
	<hr/>	
Number now in the city		15

Water Service Connections

The number of services actually in use in the city on January 1, 1929, was	13,977
The number of new service connections brought into use during the year was.....	88
The number of old service connections restored to use	363
	<hr/> 451
The number of service connections shut off during the year for permanent or temporary non-use of water was	433
Increase in number of services in actual use	18
The total number of services in use on December 31, 1929, was approximately	13,995
These services, under state law, are all required to be metered.	
In addition to the above there are fire supplies for private sprinkler systems, which are not at present required to be metered, to the number of	92
There are also services supplying public properties, to the number of	153
The number of new service connections installed during the year was 74 but not all of these are yet in use, or "alive".	
The number of feet of pipe laid in making these connections was 2,626.	

Size, number and length of services installed in 1929:—

$\frac{3}{4}$ "	59	2,063'
1 "	2	88'
$1\frac{1}{2}$ "	1	17'
2 "	4	134'
4 "	2	12'
6 "	5	254'
10 "	1	58'

74 2,626'

Number of fire supplies installed during 1929
(Included in above)

3

Location of Fire Supplies

	No.	Size
117 Linwood Street: Whitney Barrel Company, Factory	1	6"
Mystic Avenue: First National Stores, Warehouse	1	6"
154 Cedar Street: White Cross Laundry, Laundry	1	6"

Fire Services in Public Buildings

	No.	Size	Installed
Atherton Street, Carr School	1	6"	1927
Boston Street, Pope School	1	6"	1927
Broadway, Lincoln School	1	6"	1927
Broadway, City Home	1	6"	1916
Cherry Street, Burns School	1	6"	1916
Concord Square, Knapp School	1	6"	1927
Craigie Street, Morse School	1	6"	1927
Cross Street, Edgerly School	1	6"	1927
Evergreen Avenue, Forster School Annex....	1	6"	1923
*Gov. Winthrop Road, Charles A. Grimmons School	1	6"	1929
Grove Street, Highland School	1	6"	1927
Highland Avenue, Central High School.....	1	8"	1916
*Holland Street, Western Junior High School	1	6"	1916
Holland Street, Hodgkins School	1	6"	1928
Jaques Street, Glines School	1	6"	1928
Lowell Street, Bingham School	1	6"	1927
Maple Street, Bennett School	1	6"	1927
*Marshall Street, Northeastern Junior High School	1	6"	1923
Myrtle Street, Prescott School	1	6"	1927
Powder House Blvd., Cutler School	1	6"	1927
School Street, Cummings School	1	6"	1916
School Street, High School (west wing).....	1	6"	1928
Sycamore Street, Forster School	1	6"	1927
Willow Avenue, Brown School	1	6"	1928
Total	24		

* No sprinklers installed.

Number of Services Supplying Public Property

City Hall	1
Police Station, Bow Street	1
Bath House, Shore Drive	1
City Home, Broadway, 3 (1 shut off)	2
Contagious Hospital	1
Tuberculosis Hospital	1
Water Works	1
Incinerator	1
City Stables, City Road	1
Garbage Plant	1
Sewerage Yard	1
Public Libraries	4
Fire Stations	7
Schools	30
Public Grounds	17
Water Posts	61
Street Sprinklers	15
Drinking Fountains	8
Total	154

Water Meters

Number of water meters in city, January 1, 1929		13,977
Number installed during the year, new	88	
Number reset	363	
	<hr/>	
	451	
Number removed on account of permanent or temporary discontinuance of water and for substitution of other meters	433	
Net increase in number of operating meters.....		18
Number of motor registers (included in above).....	1	
	<hr/>	
Total number of meters in service		13,995
Per cent. of services metered		100

Operating Meters December 31, 1929

Size	5/8"	3/4"	1"	1 1/2"	2"	3"	4"	6"	12"	
No.	13,476	294	111	27	54	20	8	3	1	13,994
Motor and elevator registers										1
										<hr/>
										13,995

The meters installed in 1929 were classed as follows:—

New services	88
Reset	363
	<hr/>
Total	451
Meters were removed for the following causes:—	
Vacancies and temporary non-use of water	181
Services permanently discontinued	1
Replaced by other meters	251
	<hr/>
Total	433

The annual report of 1926 shows the progress of metering services from its beginning in 1898 to December 31, 1926, when the city reached the point of 100 % meterage. Subsequent data follows:—

Year ending December 31	Population	Number Services Required by Law to be Metered	Per Cent Metered	Daily Per-Capita Consumption of Water
1927	103,000	13,857	100	78
1928	103,500	13,977	100	81
1929	103,860	13,995	100	83

Summary of Pipes and Fixtures of the Water System

December 31, 1929

Feet of main pipe (approximately)	584,873
Miles of main pipe (approximately)	110.77
Services in use (approximately)	13,995
Services supplying public property	154
Private fire supplies (sprinkler systems)	92
Fire supplies to public buildings	24
Sprinkler systems installed in public buildings	21
Public fire hydrants	1,291
Private fire hydrants	80
Gates	2,391
Check Valves	9
Meters (including 1 motor register)	13,995
Waterposts	61
Car-sprinkler connections	15
Blow-offs	204
Drinking fountains and troughs	8

WATER ASSESSMENTS AND CONSUMPTION

The assessment paid to the Commonwealth by this city as its proportionate part of the cost and operation of the Metropolitan Water Works for the year 1929 was as follows:—

Sinking Fund	\$8,226 16
Maintenance	43,639 87
Interest	102,359 58
Maturing Bonds	12,380 67
Brookline Credit	6,079 20
Improvements, etc.	22,465 50
Total payment for 1929	195,150 98

The amount paid by this city since the beginning in 1898 is as follows:—

Sinking Fund	\$466,727 67
Maintenance	809,093 81
Interest	2,033,618 15
Maturing Bonds	60,919 98
Miscellaneous	162,054 12
Total payments to date	\$3,532,413 73

There has been credited to the city by the Commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district and water furnished to water companies, the sum of \$9,056.10.

The daily consumption of water in Somerville, as recorded by the Venturi-meters, operated by the Metropolitan water works, is shown below by months for the year 1929 :—

Months	Gallons per day	Gallons per capita	Months	Gallons per day	Gallons per capita
January	8,780,100	85	July	9,129,700	88
February	8,602,500	83	August	8,676,900	83
March	8,236,400	80	September	8,744,400	84
April	8,186,800	79	October	8,450,400	81
May	8,463,500	82	November	8,147,800	78
June	9,135,500	88	December	8,423,600	81
Year 1929	8,581,600	83			

Total consumption for the year 1929: High-service 700,379,000 Gals.
 Low-service 2,431,901,000 Gals.
 Total City 3,132,280,000 Gals.

The following table shows the daily per capita consumption of water in cities and towns in the Metropolitan Water District for the year 1929, as registered by the Metropolitan meters :—

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Arlington	60	59	59	60	65	79	86	70	68	60	59	58	65
Belmont	61	60	61	61	69	84	95	85	80	66	64	61	71
Boston	120	118	112	110	113	118	118	116	117	114	112	115	115
Chelsea	75	74	74	71	71	74	76	75	74	71	70	71	73
Everett	117	118	114	110	114	114	117	120	131	127	110	115	117
Lexington	78	78	67	64	74	89	103	86	77	69	69	62	76
Malden	69	68	67	65	66	71	74	69	73	71	68	65	69
Medford	57	58	59	59	64	71	68	64	63	60	60	61	62
Melrose	68	67	67	66	66	75	81	68	69	68	68	70	69
Milton	53	52	55	54	56	66	65	59	60	56	54	53	57
Nahant	66	70	72	67	83	204	231	185	142	93	68	126	118
Quincy	79	80	79	80	80	86	90	84	85	81	82	81	82
Revere	58	58	57	55	57	67	77	72	65	57	53	56	61
Somerville	85	83	80	79	82	88	88	83	84	81	78	81	83
Stoneham	67	69	68	65	61	68	77	69	63	67	66	70	68
Swampscott	55	55	54	57	71	107	125	108	102	80	60	58	78
Watertown	78	75	76	74	79	84	89	81	81	78	74	72	78
Winthrop	58	57	59	59	61	71	87	82	71	63	60	61	66
Met. Dist.	101	100	96	94	97	103	105	102	102	98	95	98	99

SUMMARY OF STATISTICS

FOR THE YEAR ENDING DECEMBER 31, 1929

In form recommended by the New England Water Works Association

SOMERVILLE WATER WORKS

SOMERVILLE, MIDDLESEX COUNTY, MASS.

General Statistics.

Population, census 1920, 93,033; present, estimated 103,860.

Date of construction: Commenced in 1868.

By whom owned: City of Somerville.

Source of supply: Metropolitan water system.

Mode of supply: Water is delivered into the city's mains, under both high and low pressure, by the Metropolitan Water Works.

Statistics of Consumption of Water

Census population, 1920, 93,033.

Population on lines of pipe, Dec. 31, 1929, 103,860.

Population supplied, Dec. 31, 1929, 103,860.

Total consumption for the year, 3,132,280,000 gallons.

Average daily consumption, 8,581,600 gallons.

Gallons per day to each inhabitant, 83.

Statistics Relating to Distributing System, 1929

MAINS

Kind of pipe, cast iron.

Sizes, from 4-inch and under to 20-inch.

Laid 4,700 feet; discontinued 1,569 feet; net extension, 3,131 feet.

Total now in use, 110.70 miles.

Number of hydrants added during year: public, 11; private, 0.

Number of hydrants (public and private) now in use, 1,371.

Number of stop gates added during year, net increase, 48.

Number of stop gates now in use, 2,391.

Number of blow-offs, 204.

Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES

Kind of pipe: Lead; lead-lined wrought iron; cement-lined wrought iron; cast iron; brass.

Sizes, one-half to eight inches.

Laid 2,626 feet.

Number of service connections made, 74.

Services in use, approximately, 13,995.

Number of private fire supplies (sprinkler systems), 92.

Number of meters added, 451; meters and motor registers discontinued, 433; net increase, 18.

Number now in use, 13,995.

Percentage of services metered, 100.

Number of motors and elevator registers added, 0; removed, 0.

Number now in use, 1 (included in number of meters.)

REVENUE

From Water Rates:—	
Temporary supplies for builders and contractors	\$2,372 57
Meter rates	368,291 63
	<hr/>
	\$370,664 20
Abated and forwarded	1,360 97
	<hr/>
Total from consumers	\$369,303 23
From other sources:—	
Water service assessments...	5,573 41
Labor and materials:	
From private parties.....	9,960 56
	<hr/>
Total	\$384,837 20
Disposition of balance: applied to municipal purposes.	
Cost of works to date	\$1,411,411 53
Bonded debt at date	None

EXPENDITURES

Water Works Maintenance:—	
Operation (Management, Re- pairs and renewals	\$95,824 95
Special:—	
Miscellaneous accounts	15,533 97
	<hr/>
Total	\$111,358 92
Water Works Buildings	1,605 15
Water Works Construction:—	
Mains	\$24,416 30
Services	4,677 79
Meters	1,257 02
Total construction	30,351 11
Metropolitan water assessment	195,150 98
Balance	46,371 04
	<hr/>
Total	\$384,837 20

Construction and Renewal

The outstanding improvement of the water works distribution system during the year was the construction of a 16" high-service line through Cedar Street, feeding the Spring Hill district with a more direct and ample supply of water from the Metropolitan main in Broadway, and giving a better balance to the older feeding and distributing lines.

A special problem was encountered in the crossing of the B. & M. R. R. main line tracks. This was finally solved by the installation of a 16" arc-welded butt-strapped steel pipe above the bridge sidewalk. At the same time a 16" low service main of like material and type of construction was laid over the top of the high-service pipe across the bridge and properly re-connected at both ends with the existing under-ground pipes. The old 12" low-service main was then removed from its long-time location, thus widening the roadway of the bridge about three feet and abolishing a source of danger to automobile traffic passing over the bridge.

Distribution System

The policy of reconstruction has been carried on so far as appropriations would permit. There is need of enlarging and strengthening the high-service system in portions of the city so as to furnish an ample supply of water to all districts on all occasions, especially in view of the requirements of modern fire-fighting engines of so much greater capacity than those of former years and consequent greater draught on the older existing mains.

This need of an abundance of water for fire protection applies equally to the low-service districts in which all our industrial plants are located and which comprise about two-thirds of the city's area. Many of the water mains in this, as well as in the high-service district, are nearly fifty years old and were laid at a time when the demands of the city for water were vastly less than today.

As "Eternal vigilance is the price of liberty" so is constant watchfulness of our water system the price of the health and safety of our city.

Water Income

Due to the increase in water rates of approximately 25%, made by direction of Mayor Leon M. Conwell in 1928 and effective at the beginning of 1929, the water income for the year has shown a large gain, as indicated in the financial tables of this report. Owing, however, to changes in the bookkeeping system of the tax collector's office, whereby the commitment of water income for the last quarter of the year is carried forward to 1930 instead of being credited to the year in which the water was used, the actual earnings for the year are not comparable with the figures given in other years.

Metropolitan Water Assessments

Inasmuch as the decision of the case of Connecticut vs. Massachusetts in the matter of water diversion from the tributaries of the Connecticut River into the Metropolitan water system is still pending in the United States Supreme Court but little money for construction or for diversion damages in the Swift River project has yet been expended, as it was anticipated would be done when the estimated assessments for 1929 were made up by the Metropolitan District Commission, and instead therefore of an assessment of \$207,000 as estimated by the Commission, the actual assessment for the year was only about \$195,000, being an increase of approximately \$11,000 in place of the \$23,000 estimated. This, however, is probably but a temporary relief, for if the case is settled favorably to Massachusetts the amount unexpended will naturally be included in some subsequent year, to pay for the reservoir land takings and for delayed construction work.

With grateful acknowledgement of the support given by all with whom my duties have brought me into contact, this report is respectfully submitted.

FRANK E. MERRILL, *Water Commissioner.*

BOARD OF HEALTH**Organization — 1929**

C. A. C. RICHARDSON, M.D., Chairman
JAMES A. KILEY
JESSE S. NEWCOMB

Executive Clerk

LAURENCE S. HOWARD

Assistant Clerk

OLIVE M. STANLEY

Agent

GEORGE I. CANFIELD

Medical Inspector and Bacteriologist

FRANK L. MORSE, M.D.

Inspector of Animals and Provisions

CHARLES M. BERRY, V.S.

Inspector of Milk and Vinegar

HERBERT E. BOWMAN, Ph.G., Ph.C.

Milk Collector and Dairy Inspector

WILLIAM H. WALLIS

Technician

GEORGIA H. MORELAND, Ph.G., Ph.C.

Plumbing Inspector

DUNCAN C. GREENE

School Nurses

GRACE M. ANDREWS, R.N.
MARY F. CASEY, R.N.
Appointed October 1, 1929

DOROTHY E. HOOPER, R.N.
GRACE WALSH, R.N.
Temporarily appointed from Oct. 1, 1929

Health Nurses

HELEN B. BERRY GRACE E. PICKERING, R.N.
MARY L. SCOTT, R.N. J. EDITH McLEAN, R.N.
Resigned April 1, 1929 Resigned October 1, 1929

ANNE E. SMITH, R.N.
Appointed November 5, 1929
Matron at Contagious Hospital

LILLIAN E. GOULD, R.N.
Resigned July 14, 1929

Superintendent at Contagious Hospital

RUTH H. HORNBECK, R.N.
Appointed October 1, 1929

Medical Inspectors of Schools

WALTER L. BOND, M.D. EDMUND H. ROBBINS, M.D.
Resigned April 1, 1929 EDGAR F. SEWALL, M.D.
WILFRED C. MACDONALD, M.D. FRANCIS SHAW, M.D.
Appointed April 1, 1929 HARRY M. STOODLEY, M.D.
HERBERT E. CHOLERTON, M.D. CRAWFORD K. SWEELEY, M.D.
MICHAEL W. WHITE, M.D.

School Dentists

FRED A. SWETT, D.D.S.
GEORGE E. JONES, D.M.D.

Dental Nurse

ELLEN F. BRINE

Dental Clerk

MARIE HULTMAN

Office of the Board of Health,
City Hall, January 2, 1930.

To His Honor the Mayor, and the Board of Aldermen:

Gentlemen:

We respectfully submit the following as the fifty-second annual report of the Board of Health in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1929.

NUISANCES

A record of the nuisances abated during the year, in compliance with notices issued by the board, or under the board's direction, is presented in the following table:

Complaints referred from 1928	16
Complaints received during 1929	324
	<hr/>
	340
Complaints received with no just cause	3
Complaints abated on verbal notice of Agent	50
Complaints abated on notices sent	266
Complaints referred to 1930	21
	<hr/>
	340
First notices sent	266
Second and third notices sent	7
	<hr/>
Total notices sent	273

Annually the cellars and alleyways of the city are examined and the owners of the property where unsanitary conditions exist are required to remedy the same.

RECORD OF LICENSES AND PERMITS ISSUED

GOATS. Two applications were received for permits to keep goats, two of which were granted to keep four goats. The fee is one dollar for each goat.

HENS. Fifteen applications for permits to keep 174 hens were received. Eleven to keep 132 hens were granted and four permits were refused.

COWS. Two applications for permits to keep two cows were received, which were granted.

GREASE. Sixteen applications were received for permits to collect grease, which were granted. The fee is two dollars for each team.

MELTING AND RENDERING. Three parties have been licensed to carry on the business of melting and rendering, for which a fee of one dollar is charged.

MASSAGE AND MANICURE. One hundred one persons have been licensed to practice massage and manicure. The fee is one dollar for each license.

SALE OF ALCOHOL. The statutes provide that no person, firm or corporation other than a registered druggist shall engage in the business of manufacturing, buying, selling or dealing in methyl alcohol, or wood alcohol so called or denatured alcohol, or any preparation containing more than three per cent of any of said alcohols, without being licensed so to do by the board of health.

Under the provisions of this act seventy-seven licenses have been issued. A fee of one dollar was received for each license.

BOTTLING, CARBONATED BEVERAGES. Chapter 303, Acts of 1921 provides that no person shall engage in the manufacturing or bottling of carbonated non-alcoholic beverages, soda waters and mineral and spring water without a permit from the board of health. Five such permits were granted. A fee of ten dollars being charged in each case.

ICE CREAM. Chapter 74 of the General Laws as amended by Chapter 278, of the Acts of 1927 requires that all persons manufacturing ice cream must obtain a license so to do from the board of health. Under the provisions of the above law nine licenses for the manufacture of ice cream were granted by this board. The fee received was one dollar for each license.

STABLES

No person has the legal right to erect, occupy or use any building in this city, as a stable, without obtaining a license from the board for such occupancy. Each application is referred to the Agent of this board and no license is granted unless all regulations of the board are complied with. There were three applications received for occupancy of stables which were granted.

BOARD OF INFANTS

Thirty-three applications having been made to the State Department of Public Welfare for licenses to care for children in this city were referred to this board under provisions of Chapter 119 of the General Laws, and were approved.

LYING-IN HOSPITALS

One application was made to the State Department of Public Welfare for a license to maintain a lying-in hospital in this city, was referred to this board under the provisions of Section 71, of Chapter 111 of the General Laws, and was approved.

There were 947 deaths and 45 still-births in the city during the year, as specified in the following table :

Deaths at Somerville Hospital	111
Deaths at hospital for contagious diseases	8
Deaths at home for aged poor (Highland Avenue)	36
Deaths at city home	5
Deaths at other institutions	72

MORTALITY IN SOMERVILLE IN 1929

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I. EPIDEMIC, ENDEMIC AND INFECTIOUS DISEASES.													
7 Measles.....				1									1
8 Scarlet Fever.....										1			1
9 Whooping Cough.....					1								1
10 Diphtheria.....	1			1							2	1	5
11A Influenza with Pulmonary complications.....			1										1
11B Influenza without Pulmonary complications.....	5	1	1									1	8
13 Mumps.....												1	1
21 Erysipelas.....				1		1							2
24 Meningococcus Meningitis.....		1		1								1	3
31 Tuberculosis of the Respiratory System.....	3	2	1	1	4	4	1	2	2	3	4	1	28
32 Tuberculosis of the Meninges.....								2			2		4
33 Tuberculosis of the Intestines.....				1									1
34 Tuberculosis of the Vertebral Column.....			1										1
41 Septicaemia.....				3				1					4
II. GENERAL DISEASES NOT INCLUDED IN CLASS I.													
43 Cancer of the Buccal Cavity.....	1							1		1		1	4
44 Cancer of Stomach & Liver.....	1	2	3	5	4	2	4	4	2	3		3	33
45 Cancer of Intestines.....	3	3	1		1		2			2	1	1	14
46 Cancer of Female Genital Organs.....	1		3			1		3	2	1		2	13
47 Cancer of breast.....								1	1	1	1	1	5
49 Cancer of other Organs.....	2	1		1	1	2	1	3	2	1	2	1	17
52 Chronic Rheumatism.....							1						1
53 Scurvy.....	1												1
57 Diabetes Mellitus.....	2				1					1			5
58A Pernicious Anemia.....		1	1	1		1				1	1		7
60A Exophthalmic Goiter.....	1							1	1		1		1
62 Diseases of the Thymus Gland.....			1		1		1						3
65B Hodgkins Disease.....		1	1										2
69 Other General Diseases.....		1											1
III. DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.													
71A Simple Meningitis.....			1					1					2
74A Cerebral Hemorrhage.....	16	11	9	9	5	8	7	4	10	10	9	7	105
74B Cerebral Embolism.....		1							1				2
75A Hemiplegia.....			1	1	1								3
75B Paralysis.....										2			2
76 General Paralysis of the Insane.....	1						1						2
80 Infantile Convulsions.....					1								1
84 Other Diseases of the Nervous System.....											1		1
IV. DISEASES OF THE CIRCULATORY SYSTEM.													
88 Endocarditis & Myocarditis.....			2	2		1	2	3	1	2			13
89 Angina Pectoris.....	2	1	3	3	1		3	2		1	3	4	25

MORTALITY IN SOMERVILLE IN 1929—Continued

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
IX. DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.													
151 Gangrene		1	1								1		3
152 Furuncle			1										1
154 Other Diseases of the Skin		1					1						2
X. DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.													
XI. MALFORMATIONS.													
159A Congenital Hydrocephalus			1										1
159B Congenital Malformations of the Heart													1
159C Others under this title			1		2	1	1						5
XII. EARLY INFANCY.													
160 Congenital Debility	3	1	1	2	3			1					11
161A Premature Birth	4	1	5	1	1	2	1	4	1		3	3	26
161B Injury at Birth	2						1			1			4
162 Other Diseases peculiar to Early Infancy					1		1						2
XIII. OLD AGE.													
164 Senility		1	2	1						1	1		6
XIV. EXTERNAL CAUSES.													
167 Suicide by Poisonous Gas											2		2
168 Suicide by Hanging													2
179 Accidental Burns			1		1			1	1				2
180 Accidental Mechanical Suffocation				1	1			1					3
181 Accidental Gas Poisoning	1									1			2
182 Accidental Drowning						1							1
183 Accidental Shooting											1		1
185 Accidental Fall	1		1		1				1	1			5
188A Railroad Accident					2	1							3
188C Automobile Accident		1	2	2	1	1	2		2	2	3	1	17
196 Accidental Electrocution								1	1				2
197 Homicide								1					1
202 Accidental Strangulation					1								1
XV. ILL DEFINED CAUSES.													
	129	104	92	86	77	51	55	56	72	63	77	85	947

DEATHS BY AGES

AGES.								Total.	Male.	Female.
Under one	.	.	.	.	.	.	.	87	51	36
One to two	.	.	.	.	.	.	.	19	11	8
Two to three	.	.	.	.	.	.	.	7	5	2
Three to five	.	.	.	.	.	.	.	9	4	5
Five to ten	.	.	.	.	.	.	.	9	3	6
Ten to fifteen	.	.	.	.	.	.	.	7	4	3
Fifteen to twenty	.	.	.	.	.	.	.	11	5	6
Twenty to thirty	.	.	.	.	.	.	.	46	19	27
Thirty to forty	.	.	.	.	.	.	.	36	16	20
Forty to fifty	.	.	.	.	.	.	.	71	31	40
Fifty to sixty	.	.	.	.	.	.	.	103	45	58
Sixty to seventy	.	.	.	.	.	.	.	214	103	111
Seventy to eighty	.	.	.	.	.	.	.	193	86	107
Eighty to ninety	.	.	.	.	.	.	.	98	27	71
Ninety and over	.	.	.	.	.	.	.	37	7	30
Total	.	.	.	.	.	.	.	947	417	530

Total Deaths During Last Ten Years

Year.										No. of Deaths.	Rate per 1,000
1920	.	.	.	.	.	.	.	.	.	1,137	12.22
1921	.	.	.	.	.	.	.	.	.	986	10.38
1922	.	.	.	.	.	.	.	.	.	1,019	10.41
1923	.	.	.	.	.	.	.	.	.	1,108	11.30
1924	.	.	.	.	.	.	.	.	.	979	9.79
1925	.	.	.	.	.	.	.	.	.	1,110	11.20
1926	.	.	.	.	.	.	.	.	.	1,084	10.73
1927	.	.	.	.	.	.	.	.	.	931	9.04
1928	.	.	.	.	.	.	.	.	.	1,059	10.18
1929	.	.	.	.	.	.	.	.	.	947	9.10
Average death rate per 1000 for ten years										.	10.43

Table Showing the Five Principal Causes of Deaths in Somerville in 1929

HEART DISEASE.		ARTERIO SCLEROSIS		PNEUMONIA ALL FORMS.		CANCER ALL FORMS.		APOPLEXY.	
Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
197	20.80	140	13.46	116	11.15	86	8.27	64	6.15

DISEASES DANGEROUS TO THE PUBLIC HEALTH

This board has adjudged that the diseases known as actinomycosis, anterior poliomyelitis, anthrax, Asiatic cholera, cerebro-spinal meningitis, chicken pox, diphtheria, dog bite, dysentery, German measles, glanders, hookworm disease, infectious disease of the eye, influenza, leprosy, malaria, measles, mumps, pellagra, plague, pneumonia (Lobar only), rabies, scarlet fever, septic sore throat, small pox, tetanus, trichinosis, tuberculosis (all forms), typhoid fever, typhus fever, whooping cough, yellow fever, are infectious and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either of these diseases coming under their care and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the principal of the school in the district in which the patient resides, the librarian of the public library and state board of health are notified.

SPECIMENS AND SUPPLIES

Outfits for specimens to be examined for tuberculosis, diphtheria and typhoid fever, and diphtheria anti-toxin, vaccine lymph and nitrate of silver solution may be obtained at the laboratory and at the following places:

Edward Edwards, 25 Union Square.
R. A. Peckham, 86 Broadway.
Ernest M. Vose, 310 Broadway.
George E. Wardrobe, 716 Broadway.
Willis S. Furbush & Co., 1153 Broadway.
George R. Reed, Hobbs Building, Davis Square.
Somerville Drug Co., 288 Highland Avenue.
George E. Grover, 146 Broadway.

Hereafter the Agent of this Board will collect, daily at five o'clock p.m., all specimens left at culture stations for examination, prior to that hour.

Physicians desiring reports on the following day, must deposit same at the City Hall, in the receptacle provided, before nine thirty p.m.

Results of all examinations of specimens received at the City Hall prior to nine-thirty p.m., will be reported to the physicians on the following morning.

MEDICAL INSPECTION OF SCHOOLS

The medical inspection of the schools of Somerville which was instituted in December, 1907, has been continued during the year. The value of the system has been constantly demonstrated, and the work has been done in a very satisfactory manner. There has been harmony of action between the board of health and the school board, and the school principals and teachers have very generally co-operated with the inspectors in making the system as successful as possible.

The inspectors make daily visits to the schools under their charge, and to them are referred all children who show evidences of disease or abnormal conditions. Children who are found to be unfit to remain in school are sent home, accompanied by a slip properly filled out advising that the family physician be consulted. The inspectors also make an annual inspection of all the children in the schools, and any defects discovered are called to the attention of the parents. Monthly inspections of the school buildings and premises are made, and suggestions or criticisms are referred to the proper authorities. Every effort is made to protect the health of the children and to co-operate with the parents in keeping the children in as normal a condition as possible. In accordance with the provisions of the statute, tests of sight and hearing are made by the principals or teachers.

District No. 1

Inspector Dr. Francis Shaw, 57 Cross Street.
Schools Prescott, Hauscom, Edgerly and Boys' Vocational School.

District No. 2

Inspector Dr. Edmund H. Robbins, 334 Broadway.
Schools Baxter, Knapp, Perry and Southern Junior High Schools.

District No. 3

Inspector Dr. Crawford K. Sweeley, 25 Curtis Street.
Schools Bennett, Pope, Cummings and Proctor Schools.

District No. 4

Inspector Dr. Wilfred C. Macdonald, 189 Summer Street.
Schools Morse, Carr, Durell and Burns Schools.

District No. 5

Inspector Dr. H. M. Stoodley, 283 Highland Avenue.

Schools Brown, Bingham, Foster and Northeastern Junior High Schools.

District No. 6

Inspector Dr. H. Cholerton, 94 College Avenue.

Schools Western Junior High, Lincoln, Highland, Cutler and Lowe Schools.

District No. 7

Inspector Dr. E. F. Sewall, 281 Broadway.

Schools Glines and High Schools.

District No. 8

Inspector Dr. M. W. White, 21 Walnut Street.

Schools Parochial.

During the year 8,798 children have been referred to the inspectors during their daily visits, and 879 have been sent home because of illness.

The following list will show the classes of diseases and defects which have been found in the schools, except defects of sight and hearing:

List of Diseases and Number of Cases Reported**1. Infectious Diseases:—**

Chicken Pox	39
Influenza	72
Measles	10
Mumps	46
Scarlet Fever	2
Whooping Cough ..	16
Tuberculosis	1
Total	186

2. Diseases of the Nose and Throat:—

Enlarged tonsils and adenoids.....	1,243
Inflammatory diseases	129
Other abnormal conditions	15
Total	1,387

3. Diseases of the Eyes:—	
Foreign bodies	0
Inflammatory conditions	2
Other abnormal conditions	41
Total	43
4. Diseases of the Ear:—	
Inflammatory conditions	2
Other abnormal conditions	2
Total	4
5. Diseases of the Skin:—	
Eczema	5
Herpes	20
Impetigo	374
Pediculosis	537
Scabies	28
Tinea	1
Miscellaneous conditions	39
Total	1,004
6. Miscellaneous Diseases:—	
Diseases of the Circulatory System	39
Diseases of the Digestive Organs	41
Diseases of the Lymphatic System	9
Diseases of the Nervous System	8
Diseases of the Respiratory System	93
Wounds and Injuries	75
Diseases of the teeth	1
Other conditions	95
Total	361
Total number of diseases	2,985
Vaccinations performed	24
Examinations for vaccinations	295
Certificates to work	33

BACTERIOLOGICAL WORK

The report of the work of this department is made by Frank L. Morse, M.D., on a subsequent page and becomes a part of this report.

UNDERTAKERS

Under the provisions of Section 49 of Chapter 114 of the General Laws, 21 persons have been duly licensed as undertakers.

EXAMINATIONS OF PLUMBERS

The public statutes provide for a board of examiners of plumbers, consisting of the chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

HEALTH NURSES

There are at present six nurses employed by this board. Three of these are employed as school nurses and the work of the others consists of follow-up work regarding tuberculosis cases and post natal hygiene work, together with the other work connected with this board.

The reports of the school nurses are made a part of the report of the School Committee and those of the other nurses are made a part of this report being submitted in detail in subsequent pages.

INFANT HYGIENE CLINICS

During the past year under the supervision of this board, clinics have been held every Tuesday afternoon at the Edgerly Schoolhouse, every Thursday afternoon at the Bennett Schoolhouse, and every Friday afternoon at the Bingham Schoolhouse except when the days were holidays. The attendance for the year at these clinics was 3735. The average weekly attendance at the Edgerly Schoolhouse was 28, at the Bennett Schoolhouse 10, and at the Bingham Schoolhouse 35.

This work is of inestimable value and the results are very far reaching.

DENTAL CLINICS

Dental clinics have been maintained at the Proctor and Knapp Schools from 9 to 12 A. M., on each school day. 7718 examinations have been made during the year. As a means of preventing much physical trouble in the future of the school children this work is of untold value. A detailed report of the activities of these clinics is made a part of the report of the School Committee.

C. A. C. RICHARDSON, Chairman,
JAS. A. KILEY,
JESSE S. NEWCOMB,

Board of Health.

Attest:

LAURENCE S. HOWARD, Executive Clerk.

REPORT OF HEALTH NURSES

Somerville, Mass.,

January 2, 1929.

To the Board of Health,
Somerville, Mass.

Gentlemen :

We submit the following report of work performed by us in infant hygiene, post natal and tuberculosis cases for the year ending December 31, 1929 :

Infant Hygiene

Infants reported as born in Somerville during 1929	1,292
Infants born elsewhere resident in Somerville	646
Pairs of twins born in Somerville	11
Sets of triplets born in Somerville	0
Still-births in Somerville	45
Infants reported with Ophthalmia Neonatorum	3
Infants reported with Conjunctivitis	1
Infants reported with Infantile Paralysis	2

There were 87 deaths of infants under one year of age in Somerville during the past year as shown in the following table :

Prematurity	28
Congenital Diseases	17
Intestinal Diseases	3
Accidental Injury	3
Pneumonia and other Diseases	36
Total	87

Total attendance at Baby Welfare Clinics during 1929	3,735
New registrations during 1929	467
Average attendance during 1929	24

Tuberculosis

Pulmonary Tuberculosis cases reported in 1929	105
Other forms of tuberculosis reported in 1929	27
Patients admitted to Sanatoria	45
Patients previously reported in Sanatoria	89
Deaths in Somerville (pulmonary 28—Other forms 6)	34
Deaths in Sanatoria 16—Discharged 23	39
Patients now in Sanatoria	95
Patients temporarily out of Somerville	18
Patients who have moved away from Somerville	21

**TABLE SHOWING AGES AND SEX OF CASES REPORTED
DURING 1929**

Pulmonary Tuberculosis

Ages	SEX		Total
	Male	Female	
Under fifteen years.....	2	3	5
From fifteen to twenty years.....	2	9	11
From twenty to thirty years.....	13	24	37
From thirty to forty years.....	17	9	26
Over forty years.....	15	11	26
Totals.....	49	56	105

Other Forms of Tuberculosis

Ages	SEX		Total
	Male	Female	
Under fifteen years	7	4	11
From fifteen to twenty years	0	4	4
From twenty to thirty years.....	1	1	2
From thirty to forty years.....	2	2	4
Over forty years.....	3	3	6
Totals.....	13	14	27

Miscellaneous

Typhoid Fever cases reported 1

Recapitulation of Visits

Baby Hygiene	4,358
Tuberculosis	726
Miscellaneous	856
Total visits	5,940

Respectfully submitted,

HELEN B. BERRY,
GRACE E. PICKERING, R.N.,
ANNE E. SMITH, R.N.,

Health Nurses

REPORT OF THE DEPARTMENT OF MEDICAL INSPECTION

Somerville, Mass.,

January 2, 1930.

To the Board of Health,
Somerville, Mass.

Gentlemen:

I herewith present the report of the Department of Medical Inspection for the year 1929 including statistics of the Contagious Hospital.

Visits

Scarlet Fever—Each case must be inspected before release from quarantine to see that the condition of the patient is suitable for release	237
Diphtheria—Before patients are released from quarantine two successive negative cultures must be obtained.....	166
Contagious Hospital	402
Total number of visits	805

Contagious Disease Hospital

Disease	In Hospital Jan. 1, 1929	Admitted	Discharged Well or Improved	Dead	In Hospital Jan. 1, 1930
Diphtheria	1	69	62	5	3
Scarlet Fever	1	97	85	1	12
Miscellaneous	1	9	8	2	0

The daily average of patients was 8.9.

LABORATORY EXAMINATIONS

Diphtheria

	Negative	Positive	Total
January	97	25	122
February	51	27	78
March	92	34	126
April	64	19	83
May	58	29	87
June	60	36	96
July	48	21	69
August	38	6	44
September	34	8	42
October	69	8	77
November	80	7	87
December	75	1	76
Totals	766	221	987

Tuberculosis

	Negative	Positive	Total
January	15	3	18
February	18	1	19
March	17	9	26
April	13	1	14
May	15	1	16
June	13	3	16
July	10	2	12
August	15	2	17
September	11	5	16
October	12	4	16
November	11	2	13
December	16	0	16
Totals	166	33	199

Typhoid

	Negative	Positive	Total
January	0	0	0
February	2	0	2
March	0	0	0
April	2	0	2
May	0	0	0
June	0	0	0
July	5	0	5
August	3	0	3
September	1	0	1
October	1	0	1
November	0	0	0
December	0	0	0
Totals	14	0	14
Examinations made for Malaria, Ophthalmia, Paratyphoid, Gonorrhea and Pneumonia			50
Total examinations			1,250

TUBERCULOSIS

During 1929 there were 34 deaths from Tuberculosis including all forms, 28 of which were of the pulmonary type.

All patients ill with the disease coming to the attention of the Board have either been supervised at their homes by the Public Health Nurses, or have been placed in sanatoria when such treatment was needed.

The tuberculosis ward at the Contagious Hospital which was closed on September 1, 1921, on account of the small number of patients in the hospital, was opened from June 26, to August 31, as a Preventorium for children who were undernourished or lived in families where tuberculosis cases existed.

During this time 86 children were residents at the Preventorium for a total of 1348 days, the average stay being 15 days. Much good was accomplished among these children, marked improvement being observed in their physical condition, and it should be maintained each summer.

INFANT HYGIENE CLINICS

On January 1, 1922, the Board with the approval of His Honor the Mayor, assumed the care of the Infant Hygiene Clinics previously maintained by Somerville Chapter of the American Red Cross. These clinics have been held on Thursday afternoon at the Bennett School and Friday afternoon at the Bingham School throughout the year. On September 29, 1925, a clinic was established at the Edgerly School and has been held on Tuesday afternoon weekly. An average attendance of 35 at the Bingham School, 10 at the Bennett School and 28 at the Edgerly School has been attained. 467 new babies have been under supervision at the clinics where advice has been given to the mothers by the attending physician, and in many instances the infants have been visited at home by the Public Health Nurses in order that the advice may be properly followed out. This work is unquestionably of great value in conserving the health of new-born infants.

Respectfully submitted,

FRANK L. MORSE,

Medical Inspector and Bacteriologist.

REPORT OF THE INSPECTOR OF ANIMALS AND PROVISIONS

Somerville, Mass.,

January 2, 1930.

To the Board of Health,
Somerville, Mass.

Gentlemen:

I submit the following as my report for the year ending December 31, 1929:

INSPECTIONS

The following table shows the number of inspections made during the past year. In order to safeguard the consumer, all establishments handling food stuffs are under constant supervision. Lunch cars and restaurants have been inspected weekly.

Under the provision of the General Laws of 1920 all bakeries are required to register with the Board of Health. The law provides that all doors and windows shall be properly screened and that all food exposed for sale shall be kept covered. Careful inspections of all bakeries have been made to see that this law has been complied with.

All the factories in the city have been inspected monthly.

The Barber Shops are under careful inspection and must be kept sanitary and the barbers are required to keep themselves neat and clean and to properly sterilize their instruments.

Number of Inspections

Bakeries	261	Pedlers and Wagons and	
Barber Shops	233	Stock	1,042
Bowling Alleys and Pool		Public Halls	41
Rooms	20	Rendering Plants	57
Factories	67	Sausage Factories	23
Fish Markets	453	Slaughter Houses	214
Goat Houses	5	Stores and Markets	3,078
Hen Houses and Yard	18	Stables	14
Ice Cream Plants	81	Theatres	61
Lunch Rooms and Cars.....	963	Vacant Lots and Dumps	27
Milk and Cream Plants	56	Yards and Cellars	141

ARTICLES CONDEMNED

Fish

Haddock	186 lbs.
Halibut	16 lbs.
Mackerel	188 lbs.
Salmon	39 lbs.
Sword Fish	37 lbs.

Fruit

Apples	2 bas.
Apples	3½ bus.
Bananas	62 doz.
Dates	1 box
Prunes	1 box
Raisins	1 box
Strawberries	7 lbs.

Meats

Bacon	29 lbs.
Beef (corned)	½ bbl.
Beef (corned)	115 lbs.
Beef (dried)	4 lbs.
Beef (fresh)	110 lbs.
Fowl	246 lbs.
Hamburg Steak	78 lbs.
Ham	20 lbs.
Lamb	74 lbs.
Liver	25 lbs.
Meat Scraps	16 lbs.
Pigs Feet	1 keg
Pork (fresh)	161 lbs.
Pork (salt)	100 lbs.
Pork (loaf)	15 lbs.
Sausages	42½ lbs.
Sausages (smoked)	50 lbs.
Shoulders (corned)	46 lbs.
Spare Ribs	87 lbs.
Tripe	22 lbs.

Vegetables

Beans	20 lbs.
Beans	1 bus.
Beans	1 box
Cabbages	1 bag
Carrots	1 bus.
Celery	1 crt.
Lettuce	6 doz.
Onions	1 bag
Potatoes (white)	3 bags
Potatoes (sweet)	2 bbl.

Spinach	2 bus.
Squash	13 lbs.
Tomatoes	4 bas.
Turnips	2½ bus.

Miscellaneous

Bread	18 lvs.
Butter	22 lbs.
Cake	8 lbs.
Cheese	15 lbs.
Crackers	15 lbs.
Cream of Tarter	15 lbs.
Eggs	32 doz.
Flour	16 bags
Jam	15 jars
Crisco	25 lbs.
Lard	60 lbs.
Meal	4 bags
Mince Meat	60 lbs.
Salt	25 lbs.
Sauerkraut	½ bbl.
Soda (baking)	20 lbs.
Spices	26 lbs.
Vanilla Extract	1 gal.
Walnuts	1 box

SLAUGHTER HOUSES

During the year weekly inspections have been made at all slaughtering establishments and these plants were never in a more sanitary condition than at present.

Number of Animals Slaughtered in 1929

Swine	695,672
Sheep	247,721
Calves	43,044
Cattle	29,163
	<hr/>
	1,015,600

Animals Examined

	Inspected	Quarantined	Killed	Released
Cows	2	0	0	0
Goats	5	0	0	0
Dogs	60	60	0	63
Geese	2	0	0	0
	<hr/>	<hr/>	<hr/>	<hr/>
Total	69	60	0	63

Respectfully submitted,

CHARLES M. BERRY,
Inspector of Animals and Provisions.

REPORT OF THE INSPECTOR OF MILK AND VINEGAR

Chemical and Bacteriological Laboratory,
City Hall, Somerville, Mass.,

January 1, 1930.

To the Board of Health,
Somerville, Mass.

Gentlemen :

I herewith present my annual report for the year ending December 31, 1929.

On the above date there were licensed to sell milk, 695 stores, 52 dealers, and 145 stores were registered to sell oleomargarine. Of the 52 dealers handling milk and cream 19 were located in Somerville and 33 were located in neighboring cities. 9 dealers in Somerville were pasteurizing according to the General Laws. 4 dealers sell cream exclusively and the balance purchase bottled pasteurized milk for delivery. 2 out of town dealers sold milk from tuberculin tested cows, 5 dealers were handling certified raw milk, 1 dealer handled pasteurized milk produced at a certified dairy, and 5 dealers discontinued business. There were approximately 34,250 quarts of milk and 2,796 quarts of cream distributed in Somerville daily.

The following tables 1, 2, 3, and 4 are a summary of the work of the department for the year :

Table 1

Receipts

Months.	License Applications	License Fees.	Analytical Fees.	Cash Paid City Treas.	Analyses on Account.	Total Income for Department
January	13	6.50	0	6.50	81.00	87.50
February	16	8.00	0	8.00	70.25	78.25
March	14	7.00	0	7.00	87.00	94.00
April	17	8.50	0	8.50	130.00	138.50
May	449	224.50	1.00	225.50	156.50	382.00
June	297	148.50	.50	149.00	154.00	303.00
July	16	8.00	.50	8.50	163.50	172.00
August	14	7.00	0	7.00	150.50	157.50
September	16	8.00	0	8.00	168.50	176.50
October	*26	98.50	0	98.50	189.00	287.50
November	10	5.00	0	5.00	167.50	172.50
December	13	6.50	3.00	9.50	125.00	134.50
Total	901	536.00	5.00	541.00	1642.75	2183.75

* 9 pasteurizing licenses included.

Table 2
Samples Examined

Months.	Chemical Samples Collected.	Bact. Samples Collected.	Lorenz Tests.	Total Collections.	Samples Submitted	Total Examina- tions.
January	247	137	105	489	75	564
February	182	181	75	438	66	504
March	173	97	57	327	85	412
April	167	139	61	367	248	615
May	212	136	96	444	326	770
June	183	70	74	327	274	601
July	222	75	70	367	327	694
August	247	151	87	485	268	753
September	179	64	64	307	309	616
October	116	82	90	288	344	632
November	241	75	70	386	306	692
December	224	112	81	417	258	675
Total	2393	1319	930	4642	2886	7528

Microscopical examinations—3366

Table 3
Legal Notices

Months.	Chemical	Bac- teriological	Lorenz	Temperature	Milk Plant and Dairy Corrections	Total
January	2	20	0	0	14	36
February	1	29	0	0	21	51
March	5	24	1	0	20	50
April	3	22	1	0	30	56
May	0	20	2	5	29	51
June	1	8	0	0	20	34
July	7	15	0	12	22	56
August	3	8	0	2	23	36
September	3	10	0	0	20	33
October	3	1	4	0	16	24
November	1	11	0	0	35	47
December	2	4	2	0	17	25
Total	31	172	10	19	267	499

Exclusions—Infected milk—3.

Table 4

Inspections

Months.	City Milk Plants and Railroad Terminals	Country Stations and Dairies	Restaurants and Stores	Total
January.....	72	4	42	118
February.....	84	1	36	121
March	68	2	76	146
April.....	75	5	39	119
May	74	4	210	288
June	43	24	590	657
July	66	15	25	106
August.....	64	1	85	150
September...	68	10	25	103
October	41	12	30	83
November ...	76	6	23	105
December ...	70	7	27	104
Total	801	91	1208	2100

During 1929 license fees and fees for analyses amounted to \$2,183.75. There were in 1929 10,894 laboratory examinations. Sediment tests were carried out as routine and the Reductase test applied as occasion demanded.

There were during 1929, 2 dealers prosecuted in the Lower Court and paid fines amounting to \$30.00.

Each month during the year pint samples have been taken from every milk dealer and analyzed for food value (fats and solids) and cleanliness (bacterial count and sediment).

The higher the fats and solids the greater the food value. The lower the bacterial count, greater care in production, better handling, or more efficient pasteurization is shown. By calling the office of the Milk Inspector these figures will be cheerfully quoted.

There are in this city 9 milk pasteurizing plants licensed according to Chapter 259, Acts of 1927.

I believe that pasteurizing machine operators should be licensed and that all controls for pasteurizing machines should be automatic.

Respectfully submitted,

HERBERT E. BOWMAN,
Inspector of Milk and Vinegar.

SUPPORT OF PUBLIC WELFARE DEPARTMENT

Board of Public Welfare

FRED E. DURGIN, CHAIRMAN
JAMES D. SHARKEY, Vice-Chairman
WILBUR F. LEWIS

Committees

On Finance, Investigation and Relief, and City Home

MR. DURGIN, MR. SHARKEY AND MR. LEWIS

Clerks

HELEN E. LINEGAR
DOROTHY C. WATKINS

General Agent

WILLIAM E. COPITHORNE

City Physician

FRANK E. BATEMAN, M. D.

Assistant City Physician

WILFRID C. MACDONALD, M. D.

Warden and Matron, City Home

MR. AND MRS. HERMAN M. REYNOLDS

Office

City Hall, Highland Avenue

December 31, 1929.

To His Honor, the Mayor, and the

Board of Aldermen of the City of Somerville:

Gentlemen:—

The Board of Public Welfare submit herewith reports of the General Agent, the Warden of the City Home and the City Physician, with tables showing the work.

Respectfully submitted,

FRED E. DURGIN,

JAMES D. SHARKEY,

WILBUR F. LEWIS,

Board of Public Welfare.

REPORT OF GENERAL AGENT

City Hall, January 2, 1930.

To the Board of Public Welfare, Somerville, Mass:—

Gentlemen:—The general agent submits the following as his report for the year ending December 31, 1929:—

Table No. 1

FULL SUPPORT (During the year)

In City Home (men 42, women 21).....	63
In City Home, December 31, 1929.....	47
In hospitals for the sick in other cities, towns and state....	61

Table No. 2

PARTIAL SUPPORT (Outside Relief)

Families	281
Persons aided (including hospital cases)	1561
Burials	8
Permits to State Infirmary	3

Table No. 3

CHILDREN

In private families	16
In care of state division of child guardianship.....	28

Table No. 4

AID UNDER CHAPTER 118 (Mothers' Aid)

Number of mothers' aid cases, January 1, 1929.....	54
Number of families aided at close of year	47
Number of children	175
Amount allowed each family, from \$5.00 to \$20.00 per week	
Number of out-of-town families	2
Number having no settlement	11

Cost to City

Somerville settlement	\$26,160 00
Settled in other cities and towns (reside here)	1,092 00
State	8,300 00
Somerville families living in other cities and towns	3,861 98
	<hr/>
	\$39,413 98

Table No. 5
REIMBURSEMENTS

Commonwealth of Massachusetts	\$31,453 81
City of Boston	8,011 50
“ “ Cambridge	5,726 81
“ “ Chelsea	127 44
“ “ Fitchburg	152 01
“ “ Lawrence	74 38
“ “ Lynn	948 90
“ “ Malden	203 65
“ “ Medford	5
“ “ Newton	11 15
“ “ Revere	315 38
“ “ Taunton	45 00
“ “ Woburn	1,299 00
“ “ Worcester	377 00
Town of Andover	175 00
“ “ Arlington	737 79
“ “ Framingham	28 00
“ “ Hingham	3 06
“ “ Middleboro	2 38
“ “ Orange	63 00
“ “ Plymouth	548 47
“ “ Rochester	71 53
“ “ Shrewsbury	308 00
“ “ Wakefield	103 50
“ “ Watertown	590 74
“ “ Weymouth	8 00
Individual	810 61
	<hr/>
	\$53,259 76

Table No. 6
SOMERVILLE HOSPITAL (City Patients)

Patients having settlement in Somerville	107
Patients having settlement in other cities and towns	30
Patients having no settlement (chargeable to State)	27
Total number of patients sent to hospital	164
Amount paid to hospital.....	\$10,000 00

Table No. 7
POPULATION AND GROSS EXPENDITURES, 1900 to 1929

1900	—*61,643	Misc.	\$23,697.62	Home,	\$5,528.83	Total	\$29,226.45
1901	— 62,500	“	29,171.15	“	6,622.43	“	35,793.58
1902	— 63,500	“	28,667.04	“	7,396.64	“	36,063.68
1903	— 65,500	“	30,470.20	“	7,548.39	“	38,018.50
1904	— 69,500	“	20,476.64	“	6,563.11	“	27,039.65
1905	—*69,272	“	17,627.88	“	7,474.36	“	25,002.24
1906	— 72,000	“	18,237.53	“	6,806.79	“	25,044.32
1907	— 74,000	“	17,852.20	“	7,001.23	“	24,853.43
1908	— 75,500	“	17,955.34	“	6,875.56	“	24,830.99

Table No. 8

EXPENDITURES IN DETAIL FOR THE YEAR 1929

1929	Board.	Auto Mainte- nance	Burials.	Somerville Poor in other Cities and Towns.	Cash Paid Out.	Somerville Poor in other Cities and Towns Chap. 118	Cash Allowance	Fuel and Dry Goods	Groceries.	Other Institu- tions.	Med. Att. and Medicine	Nursing.	Stationery and Printing.	Salaries.	Somerville Hospital.	State Institu- tions.	All Other.	Telephone.	Totals
January	\$1,648.60	\$16.66	\$.....	\$ 946.12	\$ 8,277.00	\$.....	\$179.35	\$.....	\$935.61	\$ 4.75	\$57.67	\$.....	\$ 6.70	\$594.54	\$833.33	\$457.00	\$.....	\$12.27	\$13,969.60
February	84.00	16.66	.....	611.81	8,288.00	.....	182.00	.....	840.28	73.71	88.32	.....	6.00	617.58	833.33	.....	.....	12.14	11,653.83
March	92.99	16.66	272.00	1,941.45	10,433.40	184.34	201.50	.....	1,132.83	.....	43.85	.....	2.40	718.85	833.33	.....	44.00	24.40	15,942.00
April	1,522.95	16.66	185.00	4,306.35	8,673.00	.....	194.99	.....	1,283.90	50.57	43.03	.....	33.40	749.17	833.33	611.00	5.00	6.11	18,514.46
May	92.99	16.66	.....	1,499.71	8,691.45	205.78	188.21	5.00	793.83	.....	55.21	.....	4.00	734.40	833.33	.....	.....	11.82	13,132.39
June	72.85	16.66	30.00	288.01	10,700.00	.....	199.27	18.50	888.10	48.00	60.87	.....	.....	860.55	833.37	.....	18.00	11.15	14,045.33
July	1,555.28	16.66	.....	349.23	8,435.50	.....	205.92	4.00	673.00	101.00	40.53	16.50	26.25	805.94	833.33	945.99	18.00	7.13	14,034.26
August	75.28	16.66	.....	572.87	10,442.00	163.67	241.34	.....	634.05	124.29	43.74	.....	4.00	925.77	833.33	.....	.....	16.73	14,093.73
September	72.85	16.66	.....	6,388.28	8,219.50	3,234.38	268.40	.....	487.90	31.71	42.89	28.50	12.50	643.72	833.33	.....	.....	6.98	20,287.60
October	1,562.62	16.66	94.54	2,199.10	8,227.20	.....	259.05	51.60	529.44	111.42	26.06	.....	31.37	754.94	833.33	781.29	.....	11.46	15,490.08
November ...	89.99	16.66	75.00	840.83	10,601.50	73.81	263.55	.....	521.90	108.00	51.83	15.00	36.86	865.55	833.33	.....	.....	11.68	14,405.49
December ...	92.99	16.74	.....	433.08	8,796.00	.....	290.04	.....	579.83	.....	59.43	.....	15.40	800.79	833.33	.....	.....	12.86	11,930.49
Totals	\$6,963.39	\$200.	\$656.54	\$20,376.84	\$109,784.55	\$3,861.98	\$2,673.62	\$79.10	\$9,300.67	\$653.45	\$613.43	\$60.00	\$178.88	\$9,071.80	\$10,000.00	\$2,795.28	\$85.00	\$144.73	\$177,499.26

11/10/1974

Time	Lat	Long	Alt	Temp	Wind	Dir	Speed	Remarks
12:00	34 00 N	118 00 W	1000	10.0	10.0	10.0	10.0	10.0
12:15	34 05 N	118 05 W	1000	10.0	10.0	10.0	10.0	10.0
12:30	34 10 N	118 10 W	1000	10.0	10.0	10.0	10.0	10.0
12:45	34 15 N	118 15 W	1000	10.0	10.0	10.0	10.0	10.0
13:00	34 20 N	118 20 W	1000	10.0	10.0	10.0	10.0	10.0
13:15	34 25 N	118 25 W	1000	10.0	10.0	10.0	10.0	10.0
13:30	34 30 N	118 30 W	1000	10.0	10.0	10.0	10.0	10.0
13:45	34 35 N	118 35 W	1000	10.0	10.0	10.0	10.0	10.0
14:00	34 40 N	118 40 W	1000	10.0	10.0	10.0	10.0	10.0
14:15	34 45 N	118 45 W	1000	10.0	10.0	10.0	10.0	10.0
14:30	34 50 N	118 50 W	1000	10.0	10.0	10.0	10.0	10.0
14:45	34 55 N	118 55 W	1000	10.0	10.0	10.0	10.0	10.0
15:00	35 00 N	119 00 W	1000	10.0	10.0	10.0	10.0	10.0
15:15	35 05 N	119 05 W	1000	10.0	10.0	10.0	10.0	10.0
15:30	35 10 N	119 10 W	1000	10.0	10.0	10.0	10.0	10.0
15:45	35 15 N	119 15 W	1000	10.0	10.0	10.0	10.0	10.0
16:00	35 20 N	119 20 W	1000	10.0	10.0	10.0	10.0	10.0
16:15	35 25 N	119 25 W	1000	10.0	10.0	10.0	10.0	10.0
16:30	35 30 N	119 30 W	1000	10.0	10.0	10.0	10.0	10.0
16:45	35 35 N	119 35 W	1000	10.0	10.0	10.0	10.0	10.0
17:00	35 40 N	119 40 W	1000	10.0	10.0	10.0	10.0	10.0
17:15	35 45 N	119 45 W	1000	10.0	10.0	10.0	10.0	10.0
17:30	35 50 N	119 50 W	1000	10.0	10.0	10.0	10.0	10.0
17:45	35 55 N	119 55 W	1000	10.0	10.0	10.0	10.0	10.0
18:00	36 00 N	120 00 W	1000	10.0	10.0	10.0	10.0	10.0

1. Summary of Observations: The observations were made at a fixed location and time, and the results are as follows:

1909	— 75,500	“	16,843.17	“	7,562.83	“	24,406.00
1910	—*77,236	“	16,110.42	“	7,695.89	“	23,806.31
1911	— 78,000	“	16,327.56	“	7,842.03	“	24,169.59
1912	— 81,000	“	19,201.33	“	8,998.97	“	28,200.30
1913	— 82,000	“	21,827.73	“	10,945.95	“	32,773.68
1914	— 85,000	“	35,619.68	“	11,200.25	“	46,819.93
1915	—*86,854	“	45,490.98	“	11,218.65	“	56,709.63
1916	— 90,000	“	51,759.62	“	11,593.41	“	63,353.03
1917	— 90,000	“	53,653.33	“	13,417.77	“	67,071.10
1918	— 90,500	“	63,420.48	“	15,411.20	“	78,831.68
1919	— 91,000	“	67,682.53	“	15,789.34	“	83,471.34
1920	—*93,033	“	77,456.57	“	17,308.29	“	94,764.86
1921	— 95,000	“	87,922.69	“	15,069.81	“	102,992.50
1922	— 97,000	“	95,510.92	“	13,577.07	“	109,087.99
1923	— 98,000	“	88,909.21	“	14,770.97	“	103,680.17
1924	—100,000	“	100,013.27	“	14,891.79	“	114,905.06
1925	—*99,032	“	108,009.99	“	17,133.03	“	125,148.02
1926	—101,000	“	121,513.30	“	16,896.89	“	138,410.19
1927	—103,000	“	135,671.34	“	16,070.45	“	151,741.79
1928	—104,000	“	160,269.41	“	13,393.85	“	173,663.25
1929	—104,000	“	177,499.26	“	14,382.34	“	191,881.60

* Census

OVERSEERS OF THE POOR IN SOMERVILLE

Since the reorganization in 1885

†Hon. Mark F. Burns, chairman, ex-officio	1885	1888	inclusive
†Col. Herbert E. Hill	1885	1889	"
†Charles S. Lincoln, Esq., chairman	1885	1887	"
†Charles G. Brett (president 1888-1892)	1885	Apr. 1893	"
†Hon. Edward Glines	1885	1887	"
†Edward B. West (president May, 1894, February, 1912)	1888	1912	"
†Daniel C. Stillson	1888	Apr. 1892	"
†Hon. Charles G. Pope, chairman ex-officio	1889	1891	"
†Nathan H. Reed (president 1893 to April, 1894)	1890	Apr. 1894	"
†Hon. William H. Hodgkins, chairman ex-officio	1892	1895	"
†James G. Hinckley	May, 1892	1894	"
†Albert W. Edmands	May, 1893	Oct. 1918	"
†Herbert E. Merrill	May, 1894	1909	"
†Ezra D. Souther	1895	Feb. 1898	"
Hon. Albion A. Perry, chairman ex-officio	1896	1898	"
Henry F. Curtis, M. D. (president 1912- March, 1898)	1898	1899	"
†Hon. George O. Proctor, chairman ex- officio	1899		
Henry F. Curtis, M. D. (president 1912- 1919)	1910	1921	"
Philip Koen	1912	Nov. 1916	"
†Michael Coll	Nov. 1916	Dec. 1924	"
*Fred E. Durgin (chairman 1919 to date) Oct.	1918	date	"
George G. Brayley	Jan. 1922	June 1928	"
*James D. Sharkey	Dec. 1924	date	"
*Wilbur F. Lewis	June 1928	date	"

Table No. 9

RECAPITULATION (Miscellaneous)

Expenditures and transfers	\$177,499 26
Reimbursements and refunds	53,890 76
Net cost to city	\$123,608 50

* Present member.

† Deceased.

Respectfully submitted,

WILLIAM E. COPITHORNE,

General Agent.

REPORT OF THE CITY PHYSICIAN

Somerville, January 2, 1930

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen:—

The work of your City Physician during the year 1929 is presented in the following abstract:—

Office consultations and treatments	512
Total outside visits	1,146
Confinements	4
Vaccinations	19
Visits at City Home	133
Attended at Police Station	26

Examinations:—

For highway department	1
For legal department	10
For fire department	3
For soldiers' relief department	1
For pension	12

The work of the city physician has increased to a marked degree, and many of the important duties such as attendance at hearings, conferences and the like, do not admit of tabulation.

Respectfully submitted,

FRANK E. BATEMAN, *City Physician.*

REPORT OF WARDEN OF CITY HOME

City Home, January 1, 1930.

To the Board of Public Welfare, Somerville, Mass.:—

Gentlemen:—I submit the following as the report of the Warden of the City Home for the year ending December 31, 1929:—

Table No. 1

Number of weeks board of inmates	2144.5
Number of males admitted during 1929	18
Number of females admitted during 1929	9
Number of males discharged during 1929	9
Number of females discharged during 1929	4
Number of males supported during 1929	42
Number of females supported during 1929	21
Number of males died during 1929	2
Number of females died during 1929	4
Number of inmates in home December 31, 1929	47

Table No. 2

City Home Hospital

Number of weeks' board	436.2
Number of patients admitted	10
Number of patients in hospital December 31, 1929	10

Table No. 3

Expenditures	\$14,382 34
Reimbursements and refunds	7,496 42
Net cost to city	<u>\$6,885 92</u>

Respectfully submitted,

HERMAN M. REYNOLDS, *Warden.*

REPORT OF THE CITY ENGINEER

OFFICE OF THE CITY ENGINEER,

CITY HALL, SOMERVILLE, JANUARY, 1930.

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen:—The undersigned presents herewith the 57th annual report, for the year ending December 31, 1929, of the Engineering Department, including sewer, park and playground divisions.

ENGINEERING DEPARTMENT

In previous reports the general work, charter requirements and city ordinances relating to the duties of the City Engineer have been fully described. City Engineer is also Supt. of Sewers and Supt. of Parks and Grounds.

GENERAL FINANCIAL STATEMENT

Divisions	Appropriations	Transfers and Credits	Expenditures	Balances
City Engineer	\$17,700 00	\$40 00	\$17,044 70	\$695 30
Sewers Maintenance	31,375 00	556 96	31,907 34	24 62
Sewers Construction	20,961 88	357 83	19,841 05	1,478 66
Parks Maintenance	18,400 00	.....	18,313 03	86 97
Playgrounds Maintenance	14,700 00	67 24	14,204 88	562 36
Playground, Foss Park	880 04	.....	.....	880 04
John M. Woods Play- ground	1,000 00	.....	.....	1,000 00
Improvement Walter Ernest Shaw Play- ground	1,093 23	.....	47 42	1,045 81
Tannery Brook Drain Construction	35,000 00	4 88	17,435 60	*17,569 28

* Bills amounting to approximately \$7,000 to be paid in 1930.

**CITY ENGINEER DIVISION, CLASSIFICATION OF
EXPENDITURES, 1929**

Sewers and Storm Drains,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, all engineering work relating to same and supervision	\$2,200 11
Highways,—comprising plans, estimates, titles, profiles lines and grades, inspection of paving and all other engineering work relating to the department.....	3,035 64
Sidewalks,—comprising profiles, lines, grades, measurements, inspection, titles, costs and assessments.....	319 17
Water Works,—comprising giving lines and grades and other matters relating to the department.....	91 25
Parks and Playgrounds,—comprising surveys, plans, estimates, profiles, and grades, including laying out of parks, playgrounds, boulevard and supervision.....	244 99
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction and laying out of grounds	44 99
Street Numbering,—comprising locations of buildings, plans, assigning street numbers, etc.....	1,146 16
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	9.17
Subways, Bridges and Grade Crossings,—comprising surveys, plans, profiles, estimates, line and grades, etc....	86 67
City Survey,—comprising establishing of street lines, acceptance plans, and miscellaneous survey work for city map, etc.	869 72
Middlesex Registry and Land Court,—comprising copying of plans, and abstracts from deeds and examination of titles filed at East Cambridge, also tracing of street acceptance and sewer taking plans, filed for record....	30 00
Private Corporations, Railway, Telephone, Electric Light and Gas Light Companies,—comprising grades, plans, profiles and office notes, locations of poles and conduits	6 87
Setting Stone Bounds and Brass Rods,—defining street lines and city boundary lines .....	.....
Office Work,—comprising record of all locations, indexing, typewriting, bookkeeping, calculations, reports and general drafting	2,310 33
Miscellaneous Work,—comprising designs, sketches, etc., relating to various schemes for committees.....	67 50
Holidays, Vacations and Sickness	889 88
Engineering,—General departmental expenses (all divisions) comprising City Engineer's salary, automobile maintenance, telephone, car fares, and supplies.....	5,692 25
Total	\$17,044 70

The total cost of maintaining the Engineer's Division since it was established, 1872-1929, both years inclusive, has amounted to \$543,170.58.

Six assistants have been employed the greater part of the year, on engineering work.

A number of plans have been made during the year for street acceptance and eight streets were accepted as public highways under the betterment act; and there are plans for acceptance of ten streets on file in this office, that for various reasons have not been made public ways.

Surveys, calculations, estimates and plans have been made for taking land, buildings and private property for various purposes in certain sections of the city.

Some of the main thoroughfares should be renumbered their entire length to eliminate half numbers and letters now being used, also certain streets, continuing in bordering cities where numbers conflict.

STREETS ACCEPTED AS PUBLIC HIGHWAYS IN 1929, UNDER THE BETTERMENT ACT

Name of Street	Ward	From	To	Width in ft.	Length in ft.	Date of Acceptance
Bradford Avenue	4	School Street	Southeasterly	37	162	July 3, 1929
Crown Street	5	Porter Street	Lowell Street	25	686	Mar. 29, 1929
Forster Street	4	Sycamore Street	Central Street	30	451	May 24, 1929
Garrison Avenue	7	459.69 ft. So. of Broadway	Hooker Avenue	40	411	Mar. 29, 1929
Osgood	3	Granite Street	Easterly	40	204	June 14, 1929
Pitman	3	Beech Street	Spring Street	30	381	Sept. 13, 1929
*Shore Drive	4	Mystic Avenue	Fellsway	50		Feb. 19, 1929
Ten Hills Road	4	Bailey Road	Puritan Road	25	463	May 24, 1929
Total			(0.522 mile)		2758	

*Shore Drive Constructed 1928 as per Plan Accepted Feb. 19, 1929.

LENGTH OF STREETS

	Miles
*Public	90.005
Private	10.345
	<hr/> 100.350

* Includes 1.406 Miles City Boulevard and Park Roadways.

2.331 Miles Metropolitan District Boulevard.

0.98 Mile State Highway.

(A revision of lengths of public and private streets showing that, owing to abandoned and duplicated streets and streets incorporated into the Northern Artery, the total length has decreased.)

A table of former names of certain streets was printed in the 1910 report, also a table of public squares.

LENGTH OF PUBLIC STREETS IN EACH WARD

	Miles
Ward one	13.922
Ward two	14.671
Ward three	10.321
Ward four	14.783
Ward five	11.799
Ward six	11.591
Ward seven	12.918
Total length of public streets in the city	<hr/> 90 005

There are at the present time 665 street boundaries consisting of stone bounds and brass rods set in cement for defining street lines, and the number should be increased each year; definite boundaries do much to simplify surveying and are convenient to use for bench marks. Previous reports give locations of existing bounds.

STREETS CONSTRUCTED UNDER THE BETTERMENT ACT

In general the street construction consisted of granite edgestone with concrete gutters and bituminous roadways, certain streets being designed with asphaltic penetration and others with penetrated broken stone base and asphaltic mixed top—this last type being known as “Simasco,” “Warrenite” or some other trade name.

	Width of Roadway	Length in feet
*Bradford Avenue	26.7	162.0
*Crest Hill Road	26.7	250.0
*Crown Street	19.3	686.0
*Forster Street	17.5	451.0
*Garrison Avenue	26.7	411.0
*Laurel Terrace	15.4	256.0
*Melville Road	26.7	281.0
*Puritan Road	26.7	1344.0
**Putnam Road	26.7	1141.0
**Ten Hills Road	20-26.7	1886.0
***Bailey Road (under construction)		
Total (1.30 Miles)		6868.0
*Asphaltic Penetration **Part Simasco ***Simsco		

STREETS REPAVED WITH GRANITE BLOCK

	Square Yards	Length
Somerville Avenue—Northern Artery to Union Square (old 8" granite block relaid and grouted)	6,493	1,600
Washington Street—Northern Artery to Union Square (new granite block with grouted joints on old concrete base and roadway widened 6 feet	6,792	1,353
Total	13,285	2,953 (0.559 Mile)

STREETS RESURFACED WITH WARRENITE

	Square Yards	Length
Broadway—Cross Street to Boston line (Warrenite top on old con- crete base)	6,904	2,433
College Avenue—Winter Street to Broadway (Warrenite top with concrete base)	9,393	2,005
Medford Street—Northern Artery to Highland Avenue (Warrenite with concrete base)	2,440	439
Powder House Boulevard — North Street to Dow Street (Warrenite with concrete base)	3,422	750
Drive at High School (Warrenite top with broken stone base)	4,039	666
Total	26,198	6,293 (1.192 Miles)

The total length of permanent paved streets in the city amounts to 20.610 miles.

Permanent street pavement should be extended as rapidly as possible, using a base of cement concrete and some kind of a high type of wearing surface.

Grades were given and measurements taken for the reconstruction of eight streets with asphaltic penetration wearing surfaces, a length of 4,410 feet (0.835 miles).

In construction of new streets, new granolithic sidewalks and reconstructing old streets, 10964.2 linear feet (2.076 miles) of edgestone were set.

TABLE OF STREET CONSTRUCTION

	Square Yards	Miles
***Streets paved with granite blocks.....	231,367	9.679
Streets paved with vitrified brick	20,958	1.290
Streets constructed with concrete base and asphaltic mixed top	87,393	4.024
Streets constructed with concrete base and bituminous penetrated top	40,513	2.613
†Streets constructed with broken stone base and asphaltic mixed top	53,582	3.003
‡Streets constructed with broken stone base and bituminous penetrated top.....		51.609
Streets constructed of water bound macadam		17.787
Streets graveled or unimproved		10.345
Total		100.350

* Also 30.78 miles (single track) electric railway paved with granite, asphalt, bitulithic, etc.

** Includes 6,149 square yards (0.438 mile) concrete roadway Middlesex Ave.

† Includes 0.98 mile of state highway.

‡ Includes 1.406 miles of city boulevard and park roadways and 2.331 miles of state boulevard (Metropolitan District Commission, Park Division).

The constantly increasing volume and speed of traffic makes a distinctly dangerous condition at many street intersections. This dangerous condition would be relieved to a great extent by replacing the present approximately right angle corners by circular corners; also on certain streets, particularly where street car lines are present, resetting the edgestone so that a wider roadway and consequent narrower sidewalk would improve traffic conditions.

Lines and grades were given and measurements taken for constructing fourteen new granolithic sidewalks—3481 square yards (1.208 miles) and assessments were computed, the abutting property owners paying one-half of the cost on ten sidewalks, the remainder the entire cost.

In laying out new work, under orders passed for construction of sidewalks, etc., occasionally portions of buildings and fences are found to be encroaching on the sidewalk and on some of the old rangeways these encroachments have existed for many years; as improvements are made, the full width of sidewalk should be maintained.

In all places the old brick sidewalks should be replaced with granolithic as soon as finances permit.

**MILES OF EDGESTONE, GRANOLITHIC, GRAVEL AND BRICK
SIDEWALKS IN EACH WARD**

	Edgestone	Gravel Sidewalk	Brick Sidewalk	Granolithic Sidewalk
Ward one	20.936	2.684	11.724	6.059
Ward two	17.779	5.537	6.272	4.869
Ward three	14.478	0.504	11.425	2.472
Ward four	20.454	0.321	9.126	5.794
Ward five	23.309	3.466	11.049	7.094
Ward six	25.873	3.350	10.182	12.513
Ward seven	38.373	1.999	7.979	26.372
	<hr/> 161.202	<hr/> 17.861	<hr/> 67.757	<hr/> 65.173

(Details, etc., streets and sidewalks in report of Street Commissioner.)

Plans have been made by the various public service corporations and filed in the City Engineer's office, showing the locations of gas mains, poles, tracks and conduits in this city, which have been granted by the board of aldermen during the year;—the work of placing overhead wires in underground conduits, and removing poles from streets should be extended as rapidly as possible.

In the City's squares overhead wires should be placed underground, immediately, and practically all poles (except for lights) removed—on the main thoroughfares many of the existing poles should be eliminated, at the present time, being unnecessary.

A special ordinance should be enacted concerning city inspection on all underground construction done by private companies or corporations and regulation as to method of street openings.

UNDERGROUND CONDUITS

(Public Service Corporations)

	Miles laid in City streets
Boston Elevated Railway Co.	5.55
Edison Electric Illuminating Co.	20.17
New England Tel. & Tel. Company	19.59
Cambridge Gas Light Company	67.56
Charlestown Gas Co.	32.27
Somerville Dept. of Electric Lines and Lights, Police and Fire Alarm (wires are in corporation con- duits)	
Total	145.14

All locations for sub-surface construction are assigned by this department.

Lines and grades have been given for laying new city water mains and measurements taken of same. Locations of mains, services, etc. for water distribution which were formerly made by the Engineering Department are now made and recorded by the Water Department. Length of new mains, etc. in report of Water Commissioner.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, including land court plans, have been copied, also titles examined, abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and schedules of assessments made out showing the property owners.

A set of block plans should be made covering the entire city area, from accurate surveys made during the past forty years, and carefully compared section by section with the deed dimensions and areas recorded in the assessors' department, and in this manner the correct areas of land determined. This set of plans would show the area and dimensions of each lot, all houses and other buildings, sewers, catch basins, house drains, water services, gas mains, underground conduits for wires, street lights, street railway tracks, etc., and would be of great value to many city departments. A separate appropriation should be made for completing these plans.

Total number of plans on file in this office approximately nine thousand, seven hundred and sixty-five.

For the immediate improvement of conditions in this city the highway bridges and approaches over the steam railroads should be rebuilt the full width of the street at Broadway, (North Somerville) Prospect Street and Washington Street, near Union Square and Northern Artery over the Fitchburg Railroad; and the dangerous railroad grade crossing at Park Street should be abolished, as decreed by the courts a number of years ago.

A compiled table of areas showing a sub-division of city's acreage was published in the 1925 report.

I respectfully refer to some of the more important recommendations and suggestions made in reports of the City Engineer for a number of years past, which are for the improvement of conditions in this city.

SEWER DIVISION

The designing and construction of sewers, storm drains, catch basins, house drains, etc.,—maintenance of the drainage system and other items in this division are under the direction and control of the City Engineer.

CONSTRUCTION ACCOUNT, STATEMENT OF EXPENDITURES, 1929

Labor (City Dept.)	\$ 2,358 64
Labor (contract)	13,834 45
Teaming and trucking	73 77
Materials and supplies, etc.	3,574 19
	<hr/>
Expenditure	\$19,841 05
Materials on hand Jan. 1, 1929.....	554 70
	<hr/>
Total	\$20,395 75

CLASSIFICATION OF EXPENDITURES

Constructing sewers (separate system).....	\$ 8,400 27
Constructing sewers (combined system).....	297 88
Constructing storm drains	8,094 63
Constructing catch basins	2,324 99
Constructing manholes on old sewers	215 39
Labor, teaming and materials other depart- ments and divisions	514 92
	<hr/>
Cost of new work	\$19,848 08
Materials on hand Dec. 31, 1929.....	547 67
	<hr/>
Total	\$20,395 75
Unexpended balance Dec. 31, 1929.....	1,478 66

TABULAR STATEMENT OF SEWERS AND STORM DRAINS BUILT IN 1929

LOCATION					ITEMS OF CONSTRUCTION AND COST																		
Street	From	To	Contractor	Material Excavated	Average Cut	SEWER		SUB-DRAIN		ROCK EXCAVATION		MANHOLES		Number of Inlets	COST PER LINEAR FOOT						Total Cost	Assessment	Cost to City
						Size and Type	Length	Size	Length	Cubic yards	Price per yard	Number	Average Cost		Excavation Pipe Laying and Refilling		Pipe, Cement, etc. including Sub-Drain	Engineering and Inspection	Lumber	Average Cost per Linear Foot			
															Sewer or Storm Drain	Sub-Drain							
Broadway Sly Side Sewer	Mt. Pleasant Street	Boston-Somerville Line	City—Day Labor	Cravelly Hard Pan	6'-0"	8" Portland Pipe	87.5'	—	—	—	—	1	\$42.17	1	\$2.58	—	\$0.35	—	—	\$3.40	\$297.88	—	\$297.88
Farragut Avenue Storm Drain	Hooker Avenue	Northerly	Denis I. Crimmings Day Labor	Clayey Hard Pan	6'-0"	10" Portland Pipe	218.0'	—	—	—	—	—	—	3	1.61	—	0.30	0.06	—	2.06	449.85	—	449.85
Garrison Avenue Storm Drain	Hooker Avenue	Northerly	Denis I. Crimmings Day Labor	Clayey Hard Pan	6'-1"	10" Portland Pipe	387.0'	—	—	—	—	—	—	4	1.44	—	0.29	0.03	—	1.76	680.47	—	680.47
Hinckley Street Relief Overflow	Wilton Street	B & M. R. R.	City—Day Labor	Gravelly Hard Pan	10'-11"	10" Portland Pipe	105.0'	—	—	—	—	1	49.42	—	4.22	—	0.61	—	—	5.35	561.77	—	561.77
Mossland Street Easterly Side Sewer	Somerville Avenue	Elm Street	Denis I. Crimmings Day Labor	Clay	10'-2"	8" Portland Pipe	361.0'	—	—	—	—	3	46.34	6	5.02	—	0.32	0.07	0.04	5.81	3,702.31	—	3,702.31
Mossland Street Westerly Side Sewer.....	Somerville Avenue	Near Elm Street	Denis I. Crimmings Day Labor	Clay	8'-11"	8" Portland Pipe	276.0'	—	—	—	—	2	46.34	8	5.02	—	0.32	0.07	0.04	5.81			
Mystic Avenue Northeasterly Side Sewer	Near Middlesex Avenue	Opposite Austin Street	Denis I. Crimmings Day Labor	Clay	12'-0"	10"-8" Portland Pipe	715.7'	—	—	—	—	3 Combination	116.50	4	4.23	—	0.29	0.08	0.22	5.20	3,721.67	3,721.67	—
Mystic Avenue Northeasterly Side Storm Drain	Near Middlesex Avenue	Opposite Austin Street	Denis I. Crimmings Day Labor	Clay	7'-6"	10" Portland Pipe	696.5'	—	—	—	—	See Sewer	See Sewer	2	2.03	—	0.31	0.05	0.03	2.35	1,636.05	—	1,636.05
Mystic Avenue Metropolitan Connection	Oppos. New Hampshire Ave.		Denis I. Crimmings Day Labor	Clay	17'-6"	10" Portland Pipe	20.9'	—	—	—	—	—	—	—	46.35	—	0.36	—	—	46.71	976.29	—	976.29
Alewife Brook Parkway and Dilboy Field Storm Drain	Near North Street	Near Centre Dilboy Field	Denis I. Crimmings Day Labor	Filling and Hard Pan	4'-3"	24"-18" Portland Pipe	420.0'	—	—	—	—	1	43.00	1	3.47	—	0.76	0.11	0.12	4.48	1,881.49	—	1,881.49
Private Lands (Polly Swamp Outlet) Storm Drain	Near Lowell Street Bridge Over B. & L. Div., B. & M. R. R.	Near Princeton Street	Denis I. Crimmings Day Labor	Sand and Clay	7'-6"	30" Portland Pipe	266.5'	—	—	—	—	2	40.33	2	11.28	—	1.89	0.13	0.09	8.25	2,200.88	—	2,200.88
Private Lands Storm Drain	North Union Street	W'ly to First National Stores	John F. Kennedy for First National Stores	Filling and Clay	6'-0"	18"-15"-12"-8" Akron Pipe	1225.0'	—	—	—	—	8	—	—	—	—	—	—	—	—	—	—	—
Private Lands Storm Drain Outlet Re-construction	Shore Drive	Mystic River	City—Day Labor	Filling and Clay	9'-0"	16" Corrugated Iron Pipe	68.0'	—	—	—	—	—	—	—	8.19	—	1.49	—	0.38	10.00	684.12	—	684.12
*Tannery Brook Storm Drain	Clarendon Avenue	Alewife Brook Parkway	Denis I. Crimmings	Filling and Clay	5'-6"	Two Lines of 54" Concrete Pipe	1088.0'	6"	1088.0'	—	—	4	31.03	32	18.04	0.61	13.81	0.88	0.09	34.11	\$37,060.77	*\$11,118.23	\$25,942.54

* Constructed in Cambridge by City of Somerville according to agreement, Cambridge to pay 30% of cost.

\$53,853.55 \$14,839.90 \$39,013.65

1,461.1 = Length of sewers added to system, 1929
3,318.0 = Length of storm drains added to system, 1929
68.0 = Length of storm drains reconstructed in 1929
1,088.0 = Length of storm drain built in Cambridge (Tannery Brook)
5,935.1 = Total, 1,1241 miles

Total length of public sewers in the city Jan. 1st, 1930.	=	526,350.7 ft.	=	99.6874 miles
Total length of private sewers in the city Jan. 1st, 1930.	=	34,896.0 ft.	=	6.6091 miles
Total length of sewers in the city Jan. 1st, 1930.	=	561,246.7 ft.	=	106.2966 miles, including 36.7822 miles separate system.
Total length of storm drains in the city Jan. 1st, 1930.	=	97,006.6 ft.	=	18.3723 miles
Total length of city drainage system Jan. 1st, 1930.	=	658,253.3 ft.	=	124.6691 miles
Total length of Metropolitan sewer mains in the city Jan. 1st, 1930.	=	18,348.0 ft.	=	3.4750 miles

CREDIT

Appropriation	\$20,300 00	
Balance unexpended (1928)	661 88	
Service Transfers and Credits	357 83	
Materials on hand Dec. 31, 1928	554 70	
	<hr/>	
Total		\$21,874 41
Balance unexpended		1,478 66

TANNERY BROOK STORM WATER DRAIN
CREDIT

Appropriation	\$35,000 00	
Service Transfer	4 88	\$35,004 88

EXPENDITURES

Engineering and inspection	\$	851 74	
Labor digging test holes		14 64	
Moving materials and clearing up			
Labor	\$49 34		
Truck	27 00	76 34	
	<hr/>		
Backfill and grading		9 76	
Trucking		12 00	
Contract (D. I. Crimmings)		15,485 00	
Pipe and fittings	\$554 74		
Labor hauling pipe	7 58		
Truck hauling pipe	10 50	572 82	
	<hr/>		
Construction of manholes			
Frames and grates	\$56 92		
Manhole steps	23 47		
Setting in extra steps.....	16 73	97 12	
	<hr/>		
Printing and advertising		122 30	
Lumber		99 60	
Cement (credit received later)		4 88	
I beams and expended metal reinforcing.....		61 55	
Stakes		2 85	
Catch Basin Frames and Grates		15 00	
Burlop used on underdrain		10 00	
	<hr/>		
Cost to city in 1929.....		\$17,435 60	
		<hr/>	
Balance unexpended		\$17,569 28*	

*Bills amounting to \$6,999.19 to be paid in 1930.

Twelve new sewers and storm drains were constructed totaling in length 4779.1 feet and one storm drain 68.0 feet long was reconstructed, aggregating 4847.1 feet (0.9171 mile) the work being done in part by day labor and the remainder by percentage contract. In addition to the foregoing the open

channel portion of Tannery Brook in Cambridge, a length of 1088 feet, was replaced with two lines of concrete pipe, the construction being done by Somerville. (See tabular statement of sewers and storm drains built in 1929 showing itemized account of work.)

Total length of city's drainage system	124.6691 Miles
Cost of construction to date (including catch basins)	\$1,651,489 00
Assessments for Metropolitan sewerage system, 1929 (City's proportional cost)	105,517 78
Total paid Commonwealth of Massachusetts for state sewer 1892-1929, inclusive	\$2,469,549 69
Total length of Metropolitan sewerage system mains running through this city	3.475 miles
17 connections, in Somerville, with Metropolitan sewer- age mains. Also 4 connections through Medford and one connection through Cambridge. Locations of city's mains connecting with state sewer in 1912 report, and details of construction in previous re- ports.	
New catch basins constructed in city's highways, 1929....	26
Total catch basins maintained by sewer division.....	2,037
Other catch basins—State Highway, Metropolitan Park, Boston Elevated Railway, etc.	274
Total catch basins in the city for storm drainage pur- poses	2,311
Sump manholes on drainage system	138

The separate sewerage system should be extended each year to assist in the ultimate separation of sewerage and storm water which the Metropolitan District Commission is striving to accomplish. The growing tendency to occupy all land to its fullest extent with houses, garages, granolithic drives and walks, combined with the paved or bituminous streets which prevail, has reduced the soakage area to the extent that the consequent increased run-off during storms is a heavy tax upon the capacity of the sewers. It is therefore advisable to extend the storm drain system as fast as finances permit, particularly in the North Somerville District into Two Penny Brook, West Somerville District into Tannery Brook, and Winter Hill District into the Mystic River, thus relieving the combined sewerage system of much surface water. The city's drainage problems will be simplified with every move in this direction. The territory in general west of Cedar Street drains to Alewife Brook through a tributary known as Tannery Brook which has been replaced by pipe and concrete conduits. Part of this construction was done in 1896 when a length of 3200 feet, about 200 feet being in Cambridge, was built from Davis Square to Clarendon Avenue. The remaining open brook, from Clarendon Avenue to Alewife Brook Parkway, has been the cause

of much complaint from the nearby residents and in consequence an agreement was made by the cities of Somerville and Cambridge to construct the storm drain and apportion the cost as follows: Somerville to pay 70% and Cambridge 30%, Somerville to perform the work. This was done in the Fall of 1929 at a cost of \$37,060.77.

MAINTENANCE ACCOUNT, STATEMENT OF EXPENDITURES, 1929

Labor and inspection	\$17,607 40
Teaming	5,708 25
Maintenance of trucks	887 81
Equipment, supplies and repairing property.....	7,703 88*
	<hr/>
Total	\$31,907 34

* Includes cost of two Ford trucks costing respectively \$1,132 and \$1,152; also catch basin cleaning machine costing \$4,500.

CLASSIFICATION OF EXPENDITURES

Maintenance of Sewers, including cleaning flushing, supervision, etc. (124.6691 miles)	\$ 6,497 27
Maintenance of Catch Basins, cleaning and flushing, supervision, etc (2026).....	13,746 19
Maintenance of Storm Water Pump, Medford Street Underpass	307 60
Changing line and grade and repairing man-holes	358 78
Changing line and grade and repairing catch basins	972 61
Repairing old sewers and storm drains	1,040 43
Reconstruction and repairing tide-gates and floats in chambers, on storm drains and sewers .....	.....
Inspection and location of House drains	383 33
Labor, teaming, materials, other departments and divisions	645 25
Equipment and supplies	7,184 59
Repairs of tools and property	92 27
Maintenance of Sewer Division Yards (2)	605 96
Telephones (2)	73 06
	<hr/>
Total expenditure	\$31,907 34

CREDIT

Appropriation	\$31,375 00
Credits	556 96
	<hr/>
Total	31,931 96
	<hr/>
Balance unexpended	\$24 62

A permanent force of men, varying in number from eight to thirteen, and hired teams, are kept continually at work, flushing, cleaning and repairing the city's drainage system, including catch basins, the expense necessarily increasing yearly as sewers, storm drains and catch basins are added to the system, and the distance increased to the dumping places, only two of which are available at present.

The scarcity of dumping places has confronted the city for some time and various schemes have been considered for efficient and economical methods of disposal but no plan has been adopted.

Cubic yards of material removed from catch basins and hauled to dumps	4711
Average cost per cubic yard (including depreciation of equipment)	\$ 3 38
Average annual cost, cleaning, flushing and general maintenance per basin	6 78
Average annual cost, cleaning and flushing drainage system, including catch basins, per mile.....	162 38
Average number of catch basins to a mile of roadway.....	21

A motor-driven catch basin cleaning machine and two light trucks were purchased in 1929. This new apparatus is satisfactory in operation and economy. At present this department owns four light trucks, a tractor for rolling and plowing snow and the above-mentioned catch basin cleaning machine.

The drainage system, built as required by the growth of the city, is composed of units of different type and age. Repairs, additions and alterations due to deterioration or changing conditions are necessary very frequently.

One hundred and fifty-three permits have been issued for private drain connections from buildings to sewers or storm drains; fifty-five of these being for repairs, alterations or extensions. All work is done subject to inspection by this department.

Many of the repairs and alterations were made necessary by the growth of tree roots into the private drain pipe. In several cases, these private drains were relaid with iron pipe and lead joints; which type of construction is recommended by this department in districts where trees are found.

Only persons that are licensed as drainlayers by the city and have given satisfactory bonds are permitted to lay and repair private drains.

Data concerning each drain connection with the public sewer is on file in this office, and time and expense could be saved by the owner, by applying directly to this department for investigation and advice, where trouble exists.

Many car track catch basins and underground conduit manholes built by public service corporations have been connected with the city's drainage system.

There are to date about 18,340 private drain connections with the city's drainage system.

A better system of grease traps should be installed in the premises of some of the larger manufacturing plants and rendering companies to prevent large amounts of grease and waste products from escaping into city sewer mains and partially blocking sections of sewers as has occurred at various times.

PARKS AND PLAYGROUNDS DIVISION

This division has the control and maintainence of seventeen parcels of land, (about 75 acres) laid out as parks and recreation playgrounds in about equal proportions.

These areas if completely developed would compare favorably with other cities in the vicinity.

MAINTENANCE ACCOUNTS, STATEMENT OF EXPENDITURES, 1929

Playgrounds		Parks
\$8,361 84	Labor	\$8,253 73
336 75	Teamnig	253 00
859 76	Equipment and supplies	241 32
110 64	Repairing tools and property	515 72*
234 42	Fountains and Bubblers Maintenance (Paid Water Dept. \$227 48 and \$144 79)	147 79
	Trees, Shrubs, Plants, Floral Decorations, trimming and spraying trees, etc.	2,866 67†
	Flags, flagpoles, painting, etc.	693 69‡
	Repairing roadways and walks	253 47
	Fences, gates, steps, etc. (maint. and const.)	262 32
1,291 24	Fences, seats, grandstands, backstops, etc. (maint. and const.)	
327 00	Fence, Joy St. Playground	
477 90	Fence, Richard Trum Playground	
1,470 33	Fence, Dilboy Field	
700 00	Concrete footing course Dilboy Field	
35 00	Transferred to other appropriations	
	Special equipment for tractor	950 00
	Cutting down trees, planting new trees, etc., Powder House Boulevard	2,393 21

Reconstruction of driveway in front of Public
Library

1,482 11

\$14,204 88	Totals	\$18,313 03
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*Includes \$247 for cleaning monument Central Hill.

†Includes planting new trees \$772.

‡Includes \$400 for moving, repairing and resetting flag pole Central Hill Park; also \$200 for new flag pole erected complete Prospect Hill Park.

CLASSIFICATION OF EXPENDITURES

Recreation Playgrounds		Parks
\$ 24 40	Central Hill Park (13.1 acres)	\$5,532 80
1,898 56	Foss Park (formerly Broadway Park) (15.9 acres)	2,129 32
	Broadway Parkway (1.6 acres)	241 40
3,151 81	Lincoln Park (7.2 acres)	917 34
136 05	Prospect Hill Park (2.6 acres)	2,523 00
127 85	Tufts Park (4.5 acres)	2,330 03
	Paul Revere Park (0.02 acres)	58 40
46 79	Belmont Street Park (0.4 acres)	351 17
	Powder House Boulevard (0.9 mile long).....	3,712 14
	Powder House Square Parkway	11 80
	Cemetery, Somerville Avenue (0.7 acre).....	143 23
5,219 63	Dilboy Field (15.2 acres)	214 58
2,232 50	Richard Trum Playground (4.3 acres).....	32 09
66 19	Playground, Glen Street and Oliver Street (2.3 acres)	
201 93	Playground, Kent Street and Somerville Avenue (0.8 acre)	43 24
377 34	Playground, Poplar Street and Joy Street (0.5 acre)	71
239 02	Woods Playground, corner Elm Street, Cher- ry Street and Sartwell Avenue (2.1 acres)	48 66
373 25	Shaw Playground, Broadway at Western Junior High School (2.8 acres)	23 12
74 56	Charges other Depts. and Divs.	
\$14,169 88		
35 00	Transferred to other appropriations	
\$14,204 88	Total expenditures, maintenance (74.92 acres) 74.22 acres parks and playgrounds, 0.7 acre cemetery and 0.9 mile boulevard, and 0.54 mile parkway roads.	\$18,313 03

CREDIT

Recreation Playgrounds		Parks
\$14,700 00	Appropriation for Parks	\$18,400 00
67 24	Appropriation for Playgrounds	
	Service Transfers	
\$14,767 24	Total Credit	\$18,400 00
\$ 562 36	Balance unexpended	\$ 86 97

IMPROVEMENT OF PLAYGROUNDS

Playground Foss Park (about 5.5 acres north-
erly end Foss Park)

CREDIT

Unexpended balance (1928)	\$ 880 04	
Balance unexpended Dec. 31, 1929 (no expenditures having been made)		\$880 04
John M. Woods Playground (Elm St., Cherry St. and Sartwell Ave.)		

CREDIT

Unexpended balance (1928)	\$1,000 00	
Balance unexpended Dec. 31, 1929 (no expenditures having been made....		\$1,000 00
Improvement Walter Ernest Shaw Playground		

EXPENDITURES

Labor, grading and seeding; placing signs, etc.	\$ 47 42
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CREDIT

Unexpended balance (1928)	1,093 23	
Balance unexpended Dec. 31, 1929.....		\$1,045 81
Assessments for Metropolitan parks and boulevards (City's proportional cost)		\$80,633 66
Total paid Commonwealth of Massachusetts—Metropoli- tan Park System, to January 1, 1930.....	1,578,852 42	
Total length Metropolitan boulevard in Somerville.....	2.33 miles	

All of the city's playfield areas have been in constant use throughout the year;—special supervision was provided by the Welfare and Recreation Commission during the months of July and August especially for the children's activities, to make the playgrounds popular and successful; an exhibition on Trum Field featured the closing of the summer work.

At the athletic field bordering Alewife Brook the outdoor runing track has been very popular and the enclosed area might be used as a wading pool if a cement floor was installed. The remaining area should be graded as soon as finances permit. The playing surface of Dilboy Field has deteriorated badly due principally to settlement in the filling where Alewife Brook was straightened.

The city has become so densely populated (averaging nearly 25,000 people a square mile) that some of the larger park areas should be more extensively utilized for public recreation and physical training purposes. On several of the play fields concrete buildings should be constructed, additional apparatus and shelters provided and some of the smaller playground areas should be enclosed by wire fencing for protection.

In certain localities of the city well-lighted playgrounds should be maintained during the summer evenings for the young men and women who are obliged to work in the day time.

Previous reports are respectfully referred to for suggestions and recommendations for improvement of park and playground areas.

The Recreation Commission and various other public and private organizations have been of great assistance in advising and promoting the progress of this division.

(See City Auditor's report for total expenditure by city departments and commissions for recreation and play the past year.)

In closing this report I feel that attention should be called to the fact that the writer did not have charge of the Department during any part of the year covered by this report.

Respectfully submitted,

PHILIP P. WELCH, *City Engineer.*

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT

Somerville, Mass., 31, 1930.

To the Honorable, the Mayor and the Board of Aldermen:--
Gentlemen:—

In compliance with the City Ordinance; I have the honor of submitting for your information the Annual Report of the Fire Department for the year ending December 31, 1929.

Alarms and Losses

Number of Bell Alarms.....	365
Number of Still Alarms.....	663
Total Alarms	1,028
Number in excess of 1928	109
Value of Buildings at risk.....	\$2,928,345 00
Insurance on Buildings at risk.....	4,362,445 00
Damage to Buildings	166,020 58
Value of Contents	369,095 00
Insurance on Contents.....	274,241 14
Damage to Contents.....	67,845 35
Total value at risk.....	3,241,270 00
Total damage	234,895 93
Approximate per capita loss.....	2 34

Classification of Causes of Alarms

Automobiles	129
Chimney fires	69
Bonfires	82
Careless smoker	58
Rubbish	40
Dump fires	25
Smoke and steam mistaken for fire.....	22
Sparks on shingle roof.....	35
False alarms	23
Undetermined	30
Children playing with matches.....	32
Defective furnaces and heaters.....	26
Grass fires	49
Fireworks and Firecrackers	16
Hot ashes in wooden receptacles.....	13
Awning fires	11
Electric appliances and wires.....	56
Out of town	112
Miscellaneous	83
Defective oil heaters	13
Spontaneous combustion	17
Cigarettes	34
Wooden receptacles too near heaters.....	13
Food and clothes on stove	40

Manual Force

The manual force consists of one hundred and forty (140) permanent men; during the year the Chief, a Captain and one of the permanent men has been retired and placed on the Pension list and six have been added from the eligible list of the Civil Service.

The roster of the Department is as follows:—

- 1 Deputy Chief (Acting Chief)
- 2 District Chiefs
- 7 Captains
- 1 Master Mechanic
- 15 Lieutenants
- 1 Engineman
- 113 Permanent men

Apparatus'

On September 12th an Ahrens-Fox Combination Wagon equipped with a Booster Pump was placed in service at Union Square Station to be used as a tender for Engine 3.

The apparatus is as follows:—

- 1 Motor driven 1,300 Pump and Hose Wagon;
- 1 Motor driven 1,000 gallon Pump and Hose wagon;
- 1 Motor driven 900 gallon Pump and Hose wagon;
- 2 Motor driven 750 gallon Pump Hose wagon and chemical;
- 2 Motor driven Hose wagon and Booster Pump;
- 4 Motor driven Combination hose and chemical wagons;
- 1 Motor driven Combination Ladder Truck and chemical;
- 2 Motor driven Tiller Steering Ladder Trucks;
- 1 Motor driven Tiller steering 75 ft. Aerial Ladder Truck;
- 1 Automobile Buick Sedan, Chief's car;
- 1 Automobile Deputy Chief's car;
- 1 Automobile District Chief's car;
- 1 Automobile Master Mechanic's car;
- 1 Automobile Service and supply car;
- 1 Relief Wagon Combination hose and chemical.

Hose

The present amount of serviceable hose is 9,650 feet of two and one half (2½) inch double jacketed rubber lined water hose and 2,200 feet of three quarter inch and one inch Chemical hose. There has been 1000 feet of new two and one half inch hose purchased in October which was immediately placed in service. At present there is 1500 feet of two and one half inch hose and 300 feet of Chemical hose which is condemned for fire duty.

1929	Engine 1	Engine 2	Engine 3	Engine 4	Hose 5	Engine 6	Hose 7	Ladder 1	Ladder 2	Ladder 3	Ladder 4	Totals
Bell alarms	265	233	219	118	85	52	120	130	126	31	139	365
Still alarms	99	163	102	35	56	99	57	14	15	9	14	663
Miles traveled	485	347	409	137	160	221	286	156	161	118	312	2,792
Feet of Hose used	20,800	40,400	22,900	12,300	12,600	10,250	9,950					129,200
Chemical Hose	11,600	18,500	22,700	7,900	5,250	9,000	11,500			650		87,100
Feet of Ladders	54		40	40		80		3,871	2,861	1,354	2,647	10,947
Extinguishers	14	18	31	22	20	6	16	2	5	1	6	141
Gals. of Chemical		3,080	2,129	1,268	840		1,885			153		9,355
Covering				1		8				7		16
Out of town	6	39	9		5	43	3	1		2		108
Covers used	6						2	6	23	3	3	43

Recommendations

It is imperative that a new station and location be procured and built for Engine Co. No. 4 at the Corner of Grove Street and Highland Avenue. The building is 50 years old and is impossible of remodelling both as to construction and approach.

A new Station and location be procured and built for Hose Co. No. 8 at or in the vicinity of Winter Hill, to provide adequate protection for the fast growing development in that section and to replace the Station abandoned some 8 years ago.

A Pumping Engine capacity 1000 gallons, Wagon with Booster Pump to be used as tender, an aerial Ladder Truck with an 85 foot Extension, 3 Light Autos for the use of the Deputy Chief and the District Chiefs, 2 Deck Guns, 1 Formon Generator, 2 Baker Cellar Pipes, 25 Gas Masks, 6 Rubber Covers, 2 Searchlights, 5 Rectifiers, 5 Lieutenants to be promoted to Captain and new Badges for Officers, 12 additional permanent men.

In Conclusion

In concluding this report, I desire to express my appreciation to His Honor, Mayor Conwell and to the Board of Aldermen also to all other City Officials who have in any way co-operated with this department.

I want to take this opportunity to congratulate the Officers and members of the Department for their efficiency and loyalty to the Department.

Respectfully submitted,

JOSEPH A. CRIBBY,

Chief Engineer.

FIRE PREVENTION BUREAU

Union Square Station

January 1, 1923

Joseph A. Cribby, Chief Engineer,
Somerville Fire Department,
Somerville, Massachusetts.

Sir:—

I have the honor to submit herewith my sixth annual report of the Fire Prevention Bureau of the Somerville Fire Department for the year ending December 31, 1929.

The following shows in part the activities of the Bureau:

Original inspections	2779
Follow-up re-inspections	1146
	<hr/>
Total inspections	3925

Of the 2779 original inspections, it was necessary to issue 569 written notices to correct violations of the Department of Public Safety Regulations and remove conditions that were a menace to the Public Safety. The different mercantile and manufacturing establishments, garages, theaters, storage warehouses, apartment and tenement houses, and the cellars of some of the private dwellings throughout the city have been inspected. When ever hazardous or unlawful conditions existed, they were remedied by the owners or occupants by verbal requests or written notices.

Conditions over which the fire department had no control were reported to either the Building Commissioner, Wire Commissioner, Board of Health or the Gas Companies.

There were 82 permits issued for the retail sale of fireworks. These premises were inspected several times while the fireworks were on sale and the Department Regulations were enforced.

There were several dilapidated buildings that were a menace, torn down and removed, that were reported by the inspectors. Broken doors and windows have been boarded up or otherwise secured against illegal trespassers on other unused buildings.

A recapitulation of the 23,409 inspections made since the establishing of a Fire Prevention Bureau follows:—

Year	Original Inspections	Follow-up Re-inspections	Notices Issued
1924	1,936	1,690	840
1925	1,536	974	460
1926	3,817	2,109	1,041
1927	2,859	1,042	516
1928	2,634	887	439
1929	2,779	1,146	569
Total	15,561	7,848	3,865

As it is proposed to detail members of the department to perform full time inspection work, I recommend that a suitable Fire Prevention Inspector's examination be held under Civil Service Rules and all full paid members of the department to be eligible to compete. As it requires months of careful coaching and studying of laws and ordinances to be able to have the ability to judge conditions and render advice on the best method to pursue in the elimination of hazardous conditions, it cannot be expected that men who have had no preparation or any inclination to perfect themselves will ever be able to perform efficient fire prevention duties.

I further recommend that a suitable school of instruction be established for the inspectors and that an invitation be extended to all manufacturers and apartment house owners in this city to send their watchmen to this school. Conditions have proved in past years at fires in the various establishments that the watchmen have not handled the situations presented to them in emergency in an efficient manner.

The support of the Chief of the Fire Department with the conscientious work of the past inspectors and the co-operation of the owners and occupants of the inspected premises have made it possible for the successful results obtained.

Respectfully,

H. W. HUTCHINS JR.,

Captain, In charge of Bureau.

JOSEPH A. CRIBBY,

Chief Engineer

REPORT OF THE COMMISSIONER OF ELECTRIC LINES AND LIGHTS

Somerville, Mass., January 1, 1930

To the Honorable, The Mayor and the Board of Aldermen
of the City of Somerville.

Gentlemen:—

I most respectfully submit my twenty-first annual report
as Commissioner of Electric Lines and Lights for the year end-
ing December 31, 1929.

Inspection of Wiring in Buildings

The same rigid inspections of electrical wiring and at-
tachments thereto have been carried on as in previous years.

An increased use of unapproved and improperly con-
structed appliances has been the cause of numerous small
fires which might have developed into larger ones.

Overloading of circuits, making attachments to lamp
sockets and attaching wires and cords of all kinds introduce
very serious hazards to life and property.

It should be borne in mind that every circuit carrying
or using electricity for light, heat or power purposes con-
tains the elements necessary to start a conflagration if it is
improperly installed.

The electrical hazard is more insidious than the mechan-
ical hazard because the dangerous elements are invisible.

Numerous cases of unapproved work have been found
done by unlicensed persons with no regard for regulations or
knowledge of safety requirements. No work should be accept-
ed unless done by a licensed wireman and approved by the in-
spector.

Number of notifications of new work	2550
Number of inspections of new work	3529
Number of re-inspections of new work	783
Number of inspections of old work	150
Number of defective installations of old work	50
Number of defective installations remedied	40
Number of re-inspections of old work	50
Total number of inspections	4602
Number of permits issued to the Edison Electric Ill. Co for installing meters, lamps, etc.	1930

Fire Alarm System

The Fire Alarm System is in excellent condition but some of the older apparatus should be replaced.

357 Box alarms have been received and transmitted during the year.

8 A. D. T. alarms and 2 special alarms.

665 telephone calls for fire wire received and fire department sent.

The central office equipment consists of the following:—

- 2— 6 circuit operating boards.
- 1— 5 circuit tapper board.
- 1— 5 circuit gong board.
- 2—16 circuit storage battery charging boards.
- 1—32 circuit protector board.
- 1—12 circuit automatic repeater.
- 1— 1 dial 4 number manual transmitter.
- 2— 5 circuit punching registers and take up reels.
- 13— punching registers and take up reels.
- 2— automatic time and date stamps.
- 1— master clock.
- 962— cells storage battery.
- 5— 10 foot 4 shelf battery racks.
- 4— metropolitan tappers and 2 gongs.

Apparatus outside the central office consists of the following:—

- 147 signal boxes.
- 7 tower strikers.
- 45 gongs.
- 10 punching registers.
- 20 tappers.
- 8 private telephones.
- 3 traffic horns.

About 69 miles of over head wires and 84 miles of underground wires.

One new box has been added during the past year.

Box 154 Middlesex Avenue corner Fellsway.

All of the old storage batteries for the fire alarm have been replaced with new.

A new truck was purchased this year replacing the very old truck formerly used.

29,550 feet of overhead wire has been run and 29,550 feet of old wire removed.

Police Signal System

The Police Signal System is in good condition after 17 years of service.

A number of boxes have been overhauled and parts replaced.

Two new boxes have been installed.

Box 135 Farragut Avenue at Hooker Avenue.

Box 225 Mystic Avenue at Shore Drive.

New Batteries are needed and desk overhauled.

The system consists of the following:—

1—4 circuit police desk.

About 18 miles of overhead wire.

3 Special boxes.

62 street signal boxes.

About 18 miles of underground cable.

Supervision of Poles and Wires on the Streets

The same attention has been given to the condition of poles and wires on the streets as in previous years. A number of defective poles have been replaced by the companies owning same.

New poles have been placed in locations granted for the purpose of supplying lighting and telephone service and abandoned poles have been removed.

	New poles	Re- placed	Re- moved	Re- set
New England Telephone & Telegraph Co.	10	41	2	10
Edison Electric Illuminating Co.	44	133	16	3
Boston Elevated Railway Co.	4		30	
Permits given to the New Eng. Tel & Tel. Co. for attachments to the Edison Company's poles	20			
Permits given to the Edison Electric Ill. Co. for attachments to the New England Tel. & Tel. Company's poles	12			

Street Lighting

A number of new lights have been added and some have been changed.

The number of street lights January 1, 1930 are as follows:—

285	1500	C. P. lights.
52	1000	C. P. lights.
411	600	C. P. lights.
166	100	C. P. lights.
990	80	C. P. lights.

Conclusion

I wish to thank His Honor, the Mayor, and the members of the Board of Aldermen and the several departments for the many courtesies received.

Respectfully yours,

WALTER I. FULLER,

Commissioner of Electric Lines and Lights.

REPORT OF THE LAW DEPARTMENT

To the Honorable, the Mayor and the Board of Aldermen of the city of Somerville.

The annual report of the law department for the year ending December 31, 1929, is as follows:

A special act of the legislature was obtained amending the act of 1928 relative to the Somerville board of election commissioners and providing that the city clerk should not be ex officio a member of the board. Acts of 1929 chap. 178.

An act was passed making an apportionment of the cost of the Northern Traffic Artery and remitting all betterment assessments. Acts of 1929 chap. 382.

At the request of the legislative committee of the board of aldermen I prepared a contributory pension bill to be presented to the legislature for city employees not entitled to pensions under existing laws and drew a traffic ordinance and helped make a general revision of the ordinances.

Orders and ordinances of various kinds were drawn and many releases, bonds and agreements were prepared or approved as to form.

Settlements were arranged of all the remaining claims for land damages in connection with the laying out of North Union street and the widening of Medford street and Highland avenue.

Several claims before the state industrial accident board were disposed of by trial or by agreement.

In proceedings for the abolition of railroad grade crossings a single decree in the superior court was made in 1910 covering Medford street, Webster avenue, Dane street and Park street. The work of construction was completed during the next few years at all the crossings except that at Park street. The delay at this street was due to unfavorable conditions, some of them of a general nature growing out of the

war and others specially affecting the railroad company. The Park street crossing is dangerous and should be abolished as soon as conditions warrant this public improvement.

William J. Ennis, Esq., as assistant had charge of street accident claims and collections for the city treasurer and collector of taxes and conveyancing.

I have held the office of city solicitor ever since September 2, 1897 always feeling that it was a privilege to be associated with others in helping carry on our city government. During that period my principal occupation was the general practice of law and I held two other positions in the public service: one as a special attorney for the United States Food Administration at Washington in 1918 for the last seven months of the war, the other as a special assistant attorney general of Massachusetts in 1925 and 1926, the latter appointment being "to handle the legal details of any takings necessary and the settlement of land damages" in connection with the Northern Traffic Artery. In my mind, however, the work for the city was the one most important thing. My relations with members of the city government and officers and employees of the city were most pleasant and although for several years I have desired to be relieved from the duties and responsibilities of the office I shall retire with sincere regret.

Yours very respectfully,

FRANK W. KAAH,

City Solicitor.

**REPORT OF THE SCHOOL COMMITTEE
CITY OF SOMERVILLE**

School Committee Rooms, December 16, 1929.

Ordered, that the annual report of the Superintendent of Schools be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

EVERETT W. IRELAND,

Secretary of School Board.

SCHOOL COMMITTEE, 1929

EDWIN A. SHAW	Chairman
FRANCIS A. FITZPATRICK	Vice-Chairman

Members**EX-OFFICIIS**

LEON M. CONWELL, Mayor	17 Monmouth street
DAVID Y. ROSS, President Board of Aldermen	73 Sycamore street

WARD ONE

FRANCIS J. FITZPATRICK	2 Austin street
WALTER E. WHITTAKER	135 Walnut street

WARD TWO

ELIZABETH J. CARNES	10 Mossland street
WILLIAM F. DEWIRE	5 Magnus avenue

WARD THREE

JOHN C. KELLEHER	8 Bigelow street
JAMES C. SCANLAN	36 Munroe street

WARD FOUR

†A. MARION MERRILL	2 Madison street
‡ALICE P. RUSSELL	233 School street
MINNIE S. TURNER	64 Hudson street

WARD FIVE

FRANCIS J. DALEY	107 Bartlett street
EDMUND M. LANIGAN	136 Lowell street

WARD SIX

HERBERT CHOLERTON	94 College avenue
EDWIN A. SHAW	63 College avenue

WARD SEVEN

WILLIAM NEWBOLD	211 Holland street
CRAWFORD K. SWEELEY	25 Curtis street

† Elected June 13, 1929.

‡ Resigned May 27, 1929.

Superintendent of Schools

EVERETT W. IRELAND

Office: West Bldg., High School, Highland Avenue.

Residence: 137 Powder House Blvd.

The Superintendent's office will be open on school days from 8 to 5; Saturdays, 8 to 10. His office hour is 4 o'clock on school days, and 8.30 on Saturdays.

Assistant Superintendent of Schools

WALTER P. SWEET, 71 Hume Ave., Medford.

Superintendent's Office Force

Mary A. Clark, 15 Pleasant avenue.

Mildred A. Merrill, 26 Cambria street.

Marion E. Marshall, 30 Gilman street.

S. Regina Truelson, 38 Rogers avenue

Alice I. Amidon, 27 Gorham street.

Bernice A. Tuck, 95 Belmont street.

Anita Sumner, 276 Summer street.

Board Meetings

January 7
January 28
February 18
March 18

April 29
May 27
June 24
August 26

September 30
October 28
November 25
December 16

REPORT OF THE SUPERINTENDENT OF SCHOOLS

TO THE SCHOOL COMMITTEE:

In accordance with your Rules and Regulations, I submit herewith the report which the Superintendent of Schools is required annually to prepare as the report of the School Committee. This is the fifty-eighth in the series of such reports and the second which I have written.

A report of this sort is of value only when it brings about a keener interest in the schools by a more enlightened public, which in turn shows its appreciation of the public-spirited sacrifice of the members of the School Committee by giving its whole-hearted support to the policies developed by the Committee.

The School Committee, which is charged by law with the establishment and maintenance of a public school system, has as its chief business the task of offering the highest possible type of education to every child in the community. This requires that the Committee shall prescribe the general educational policy of the city, determining (1) the number and kind of buildings needed and (2) what shall be taught. To accomplish this purpose the members must constantly keep in mind that they are agents of all the people and that the "best interests of the children" is the only consideration which should affect their actions. The members then, in carrying out their duties which are solely legislative, must bring together the best ideas and ideals of all the people of the community and, being fully informed concerning the best educational thought and practice of the day, deal with all their problems for the best interests of the children.

The members of our Committee, cognizant of their responsibilities, have contributed to our community life the highest type of service which can be rendered.

In accordance with these statements, this report is offered to the community as an account of the stewardship of the School Committee for the year 1929.

The usual statistical tables, which are a part of this report, fully set forth the comparative figures of facts concern-

ing enrollment, membership and attendance, cost of instruction and maintenance, and other matters of organization, over a period of years.

ACCOMMODATIONS

Schoolhouses are a very necessary part of the equipment which makes possible the education of the youth of a community. Facilities adequate to the demands of modern education are necessary. Our City Charter places the control and maintenance of school buildings in the hands of the Public Buildings Department. This plan is not in accord with the best practices throughout the country, but Somerville has been indeed fortunate in obtaining excellent results with an out-of-date system by having a wonderful spirit of coöperation existent between the City Government and the School Committee.

During the last six years, through the fine coöperation of the City Government and the School Committee and the generosity of the citizenry of our city, a considerable amount of money has been expended to provide adequate and suitable housing conditions for the school children.

In 1924 the very modern Chandler Building on Marshall Street was completed and placed at the disposal of the School Committee by the City Government. The organizations of the Northern and Eastern Junior High Schools were combined to form the Northeastern Junior High School. At the same time partial relief was obtained for the overcrowding at the Southern Junior High School on Vinal Avenue by building an addition of eight rooms.

High School

The high school project, now practically completed, is the outstanding accomplishment of the last City Government with respect to school accommodations. The additions and alterations to the high school plant, begun in June, 1927, have progressed by four distinct steps:

1. The erection of a thoroughly modern and well-equipped gymnasium which, "Dedicated to the Preparation of Youth for the Responsibilities of Life," provides the means for the fulfillment for high school students of the first cardinal principle of education,—Health.

2. The erection, equipment, and occupancy of the new West Wing.

3. The remodelling of the entire Central Building during the summer of 1928, which included enlarging the auditorium to a seating capacity of 1800, and the cafeteria which daily accommodates 1800 students during the lunch period.

4. The completion of the West Wing and the remodeling of the Central Building allowed for the demolition of the old Latin School Building and the erection of the fourth unit now practically completed and known as the East Wing.

The entire plant was placed at the disposal of the School Committee at the opening of schools in September of this year with the following accommodations:—

Classrooms -----	61
Special Classrooms (Household Arts—Elocution)----	2
Manual Training rooms -----	3
Mechanical Drawing rooms -----	2
Print Shop -----	1
Science rooms -----	9
Chemistry 3, Physics 2, Biology Laboratories 2, Science Lecture room 1, Science Library 1.	
Household Arts -----	8
Sewing rooms 2, Cooking rooms 2, Suite 4.-----	
Commercial Department -----	9
Bookkeeping rooms 4, Clerical Practice room 1, Typewriting rooms 4. -----	
Bank -----	1
Emergency rooms -----	2
Library -----	5
Reading and Stock room 1, Conference rooms 2, Work rooms 2.	
Auditorium -----	1
Check Rooms -----	2
Dressing rooms connected with stages -----	6
Music Hall -----	1
Offices -----	22
Superintendent's Offices 5, Head Master's Offices 2, Vice Head Master 1, Miscellaneous 14.	

School Committee room -----	1
Lunch rooms -----	2
Locker room -----	1
Store rooms -----	8
Extra Basement rooms -----	2
Janitors' Room -----	1
Dark room -----	1
Work rooms -----	6
Teachers' rooms -----	6
Book rooms -----	2
Book closets -----	9
Motion Picture booths -----	2
Toilet rooms -----	20
Gymnasium -----	7
Exercise Hall 1, Dressing rooms 2, Shower rooms 2, Locker rooms 2.	

During the autumn the grounds have been redesigned. Granolithic walks have been laid out and a fine fifty-foot Warrenite pavement drive will make easy approach to all units. When complete, with newly graded lawns and with shrubbery and trees at appropriate places, this historic hill will be a thing of beauty.

Principal John A. Avery of the High School, in his report about the building, writes:—"The completion of this program will mark an epoch in education in Somerville. A structure to meet the demands for the thorough training of our youth will have been completed.

"Much credit is due all those who have been instrumental in its consummation. Young people who attend in the future will have an opportunity that is to be envied. May they in their new home appreciate their wonderful opportunity. We are not ashamed of our past record under trying conditions. May our greatly improved conditions incite us to greater effort and greater success."

Charles A. Grimmons School

It was noted in the Report for 1928 that the Mayor and

Board of Aldermen, at the request of the School Committee, had investigated the situation of the rapid growth of school population in the Glines School district, caused by the construction of homes in the Ten Hills Farm property, and very wisely purchased land in that district for an eight-room primary school and an adequate play area.

During the past year this very encouraging step towards relief in that district has been developed effectively and speedily by having plans made for the building, awarding the contract, and completing so much of the construction that our hopes are almost realized that the building will be ready for occupancy by March 1, 1930.

This building, the cornerstone of which was laid with simple, appropriate exercises by Mayor Conwell and other city officials on October 3, 1929, is located on Shore Drive, between Puritan Road and Winthrop Road.

It is a rectangular, two story and basement, eight-room building, constructed of red brick, with the front entrance on Shore Drive. The classrooms, which are arranged two on either side of the first and second floor corridors, have accommodations for forty pupils each.

Each classroom has built-in wardrobes and closets, bur-lap wainscots and slate blackboards with cork carpet card racks above. The kindergarten includes a large room and a small room separated by folding doors with a complete equipment of built-in cases, closets, and wardrobes.

The master's office is on the first floor and there are on the second floor a teachers' room, health room, and a book storage room. The basement has a large play room running the entire length of the side of the building, boys' and girls' sanitariums, boiler room, and storage room. Stair halls and corridors are fireproof throughout. The corridor floors are of Terrazzo and the walls are salt glazed brick with buff brick above.

Junior High Schools

A report of progress may well be a part of this statement concerning accommodations with reference to the contemplated additions to the Southern Junior High and Cliff Buildings. Plans have been prepared for both, those for the Southern Junior High School by the Frank Irving Cooper Corporation of Boston and those for the Cliff Building by Desmond & Lord, Boston.

Land and buildings on Summer Street have been purchased by the City Government in order to make way for the proposed addition to the Southern Junior High School. It is proposed to erect a three story building without basement on the Summer Street side of the lot, with a fine auditorium to seat 1,000 persons, at the corner of Vinal Avenue and Summer Street. The project also calls for the demolition of the old Bell School section of the present building and the rebuilding of that section in accordance with the plan laid out at the time of the recent addition of eight rooms in 1924.

The plans for the addition to the Cliff Building call for building wings at either end of the present plant and an extension in the rear, thus furnishing additional accommodation of 20 classrooms, adequate shops, and slightly larger provision for physical training.

It is hoped that the Mayor and the Board of Aldermen of 1930 will take steps immediately to award the contracts so that the building construction may soon be under way.

In my opinion, upon the completion of these projects, the senior and junior high school buildings will be in such shape that no further consideration need be given to housing accommodations for at least twenty years.

It is also my opinion, since the possible school population is fast approaching the saturation point in our community, that with the building of the Grimmons School and the releasing of the Hodgkins building for elementary school purposes, the accommodations for elementary schools will be adequate for a number of years, except as some of our very old buildings now in use have to be replaced in the interest of safety of the pupils and of providing more modern plants.

Improvements to Present Buildings

It is with extreme gratification that the statement is made that the physical condition in general of all school buildings is better than it has been for a number of years. Much has been done this year to make our buildings more habitable and many things have been accomplished that have needed attention for some years. Especially noteworthy is the co-operation of the Building Commissioner in the accomplishment of all major undertakings desired by the School Committee.

An active electric lighting program has been carried nearly to completion. In fact, when a few more rooms are

added to the present lighting system in the Lowe School, every school building in the city will be electrically lighted.

Considerable work has been done to improve the play conditions at the various schools. A number of yards, including those at the Hanscom, Forster, Durell, and Carr Schools, have been resurfaced. In order to make the yards safe for large numbers of children to play, and to prevent damage to buildings, a very desirable development has been carried on this year by which all school yards will eventually be enclosed with wire fences.

Several buildings, including the Glines, Edgerly, Southworth, and Bingham, were redecorated and repaired during the year and the Forster building was completely renovated, with new lighting fixtures, refinished desks, and newly tinted walls and ceilings.

Sanitation and heating and ventilating have also been given attention. Several of the toilets have been repainted and an entirely new equipment has been installed at the Durell School with the additional feature of new and more modern means of ventilation.

A study of the inefficiency of the heating plant at the Boys' Vocational School resulted in the installation of new units which greatly increased the capacity of the plant. A new unit was also added to the Bingham School equipment.

All elementary schools whose type of structure is such as to make sprinklers necessary are now so equipped. It is planned by the Public Buildings Department to extend the sprinkler system to the junior high schools during the coming year.

The School Committee has already had called to its attention the crying need for larger and more modern accommodations for our Vocational School which is considerably overcrowded and never was actually suitable for trade or vocational instruction. I hope that serious consideration may be given to this problem in the near future so that the boys of our community may have the same opportunities for this very important instruction that are provided for the boys of other communities in the Commonwealth.

In view of the foregoing, it is germane that the School Committee recommend that the City Government give immediate and serious consideration to

1. Construction of the additions already proposed to the Southern Junior High School and the Cliff Buildings.

2. The provision for a new Boys' Vocational School.

3. A survey of the physical condition of the elementary schools with a view to replacing during the next ten years those which are least safe and most out of date.

CHANGES IN THE EDUCATIONAL FORCE

The happiness naturally attending the conclusion of a successful year of accomplishment in the schools was tempered with sadness by the departure of several beloved members of the school organization, three being relieved of their duties by the Great Master and eight by the provisions of the retirement act.

On the eve of the forced retirement of John Sherburne Emerson, Supervising Principal of the Knapp, Perry, and Baxter Schools, which was to have occurred at the close of the school year, the community received a severe shock by the announcement of his sudden death on June 9. Mr. Emerson had served the city for a period of thirty-five years as principal of the Knapp and Northern Junior High Schools, and afterwards as Supervising Master of the Bennett and Knapp districts. During this time he was evening elementary school principal for a period of twenty-five years. By his untimely demise the community was deprived of the able, efficient, and unselfish services of a scholar and a gentleman.

Early the next morning came the sad news of an even more sudden death, that of Nora F. Byard, who had also served efficiently and well in this city for a period of forty-five years as teacher, principal, and master's assistant. It was twenty-four years ago that the Proctor School was opened with Miss Byard as principal.

Grace Shorey, who was for thirty-seven years a first grade teacher at the Forster School, was called from her duties by death on May 13. It is remarkable that Miss Shorey spent her whole thirty-seven years of public service in the one school.

A. Laura Batt, High School, Annie L. Brown, Burns School, Elizabeth F. Clement, Forster School, Eliza H. Lunt, Lincoln School, Elizabeth L. Marvin, Prescott School, Annie Sanburn, Brown School, Mabel T. Totman, Cutler School, and Lillian M. Wentworth, Lincoln School, all of whom had given their utmost to the education of the youth, laid down the reins of duty through retirement. Letters of appreciation for their devoted services, which covered periods of twenty-three to forty-five years, were sent to them by the School Committee

with best wishes to all for many more years of happiness and enjoyment.

Of the remaining twelve who left the service, six left to be married or to give more attention to their home duties, while five left to take teaching positions in other communities.

Of the latter, James S. Thistle, Master of the Northeastern Junior High School, was called without contest by the Wellesley School Board to take charge of the Alice L. Phillips Junior High School of that town. Considerate of the feelings and interests of all those with whom he came in contact, he was a man of excellent character, firm and decisive in manner, aggressive, scholarly, and laboring always to broaden his knowledge with reference to his problem. These characteristics and his untiring devotion to his work resulted in making the Northeastern one of the outstanding junior high schools in the country. His personal success therefore was the cause of our loss.

The School Committee chose as Mr. Thistle's successor John J. Norton, a young man of excellent character and broad education, who has devoted his energy without stint to the service of children, and who is a fine example of the product of the Somerville schools.

Catherine Sweeney, formerly teacher and principal and later Master's Assistant at the Perry School for twenty-eight years, was wisely promoted to be Master of the Knapp, Perry, and Baxter districts. The School Committee by this action has recognized the services of a woman of fine character, personality, and successful experience.

MEMBERSHIP AND ATTENDANCE

The unusually large increase in membership of 501 reported last year was followed by a decrease of about 200 for the corresponding date this year. This is due in part to the natural fluctuation in the number of pupils entering the lower grades annually, and in part to the increase in the membership of the excellent parochial junior high school in East Somerville.

The High School, after making a gain in membership of 88 last year, reports a continued increase this year amounting to 77. The Continuation School also shows a gain. The overcrowded conditions in certain elementary schools caused a considerable amount of adjustment to be made when these schools opened in September. In order to accommodate the large num-

ber of beginners at the Cutler School, it was necessary to transfer a sixth grade to the Highland School. The Glines and Forster Schools also continue to show increases, giving further evidence of the need of the new Grimmons School on the Ten Hills Farm property.

The attendance record which has always been exceptionally high in past years in comparison with the records of surrounding cities and towns has, during the past year, shown a decided increase. The average per cent of attendance for the state during the last school year was 93.83. Somerville's percentage was practically the same as the average. During this last year the percentage for the first quarter was 95.8. This figure, of course, decreased somewhat during the winter months, giving a percentage well above the average for the year. The quarter just closed finds the high school with a 95.8 percentage, the junior high schools with 96.6 per cent, and the elementary schools with 96.5 per cent, making a percentage of attendance for the entire city of 96.5. This is a remarkable record and is equal to the percentage of attendance of the city obtaining the highest rating in last year's report.

ACTS OF THE SCHOOL COMMITTEE

The School Committee, during the year now closing, has given careful and serious consideration to many important matters in the interests of the schools of the community. A few of its important acts of the year are as follows:

Authorized participation in the Summer Round-Up of children of pre-school age in accordance with the plan outlined by the State Department of Public Health.

Authorized—giving credit of two points in the High School for physical training work, thereby increasing the total number of points necessary for graduation to 56 from 54.

Changed the salary schedule so that the entering salary of academic men teachers holding a bachelor's degree and having one year of experience be increased by \$100 for a master's degree and another \$100 for a doctor's degree, these degrees already having been earned previous to employment in Somerville in any capacity.

Established a Summer School to be operated under the direction of the Superintendent of Schools in accordance with plans adopted at the December meeting of 1928.

Established a new method of selection of candidates for the position of teacher and cadet in the schools, in accordance with a plan recommended late in 1928.

Authorized the re-establishment of group music instruction in elementary grades 4 to 6 and an extension of the plan providing for group music instruction in special and unusual instruments in the junior and senior high schools.

Authorized the extension of kindergarten privileges in three other buildings in the city.

Changes in the Rules and Regulations were made as follows:

Section 50 of the Rules was amended so as to read, "The marriage of a woman teacher of the School Department of the City of Somerville shall operate as an automatic resignation of said teacher; no married woman not now in the service of the Board shall hereafter be elected as a permanent teacher unless conclusive evidence proves that she is living apart from her husband legally and receiving no financial assistance from him; or that the husband through permanent mental or physical disability is unable to provide for her support; or that she is a widow."

Section 4 was amended to provide for a regular School Board meeting in August so as to read, "The regular meetings of the Board shall be held at 8:15 in the afternoon of the last Monday of each month excepting July."

ORGANIZATION

A very comprehensive statement was made last year concerning the organization of the system and the special activities carried on in the schools, including

- Adult Education
- English for Immigrant Children
- Opportunity classes
- Classes for the Mentally Retarded
- Instruction in Music
- Sight Saving Classes
- Lip Reading
- Thrift
- Visual Education
- Health Education

Attention will be called at this time only to a few items of interest which are of special importance or are new activities inaugurated during the past year.

Summer School

One of the most valuable and important undertakings of this year has been the establishment of the summer school under the control of the School Committee. Two important and pressing needs were to be met by the school: first, a provision whereby those children who, from sickness or from other agencies beyond their control found their progress in school interrupted and their prospect of continued promotion considerably in danger, might under capable and directed teaching overcome those deficiencies; and, second, a means to lend scholastic strength and confidence to those children who have faced somewhat of a crisis in their school career but have passed it sufficiently well to be promoted to the next grade but not with the confidence that would naturally follow through having made a conspicuous success of their work.

The degree to which both of the objectives referred to above were successful may be ascertained from the figures which follow. Approximately 500 children attended the school, after having received recommendations from teachers and principals. About three quarters of the number working for a trial promotion obtained it. The other 365 who were attending to strengthen their work were successful. It is probable that only six of the pupils promoted on trial are doing such poor work as to justify their demotion.

Many children have failed in ordinary grade work because of bad habits of study with the concomitant of bad conduct and an out-of-tune feeling, which later may develop into what is commonly called an inferiority complex. The summer school has definite limitations, focuses the work, eliminates the conduct factor, and attempts to build up the success habit to the point where a child's faith in himself is restored.

The success with which pupils meet their requirements upon being returned to their classes depends to a great extent upon how much change has been caused in their attitude towards school by the disciplinary treatment of the summer school and the loss of the privilege of a vacation with their parents. In many cases, the value of the school in a child's mind is dependent upon the amount of sacrifice that he has to make to attend it and enjoy its work. Success is fostered by confidence, and a new field of endeavor, with a clean slate, with definite and well-understood goals to attain, with the issue directly held before the pupil, places him on his mettle and this causes a new and a more wholesome attitude which tends to prevent the response to the old bad habits.

There are certain elements of the organization of the first summer school that may well be mentioned. Parents, teachers, and masters have co-operated in providing the school with the type of pupil and pupil attitude which made easy the accomplishment of the school's objectives. The teachers, at considerable expense of time and energy, devised courses of study suitable for their use which have been of inestimable value. These courses of study have received favorable comment and are now the basis of intensive study to determine the materials of teaching for the next year. When these data from this study are completed, the school will base its teaching on sound fundamentals and the teachers will have available considerable information about the pupils attending the school and the factors which are affecting their success or failure.

Two interesting aspects of this undertaking bear mention: first, that the extension of the school year to two hundred school days, either by lengthening the school year or by providing a summer school, is receiving a great deal of attention by all progressive school systems; second, that children are increasingly more cognizant of the value of schooling. This latter is shown by the exceptional eagerness and happiness with which children attack their studies under weather conditions which are uncomfortable.

At the present time, a study is under way by the principal of the school (1) to ascertain the best possible means of fitting the instruction to the needs of the pupil, (2) to determine the procedure by which a child becomes a member, and (3) to discover the reasons for success or failure in the summer school and the factors which prevent the student from making a success of his trial promotion, following his attendance at summer school.

It is hoped that such a study will give us authoritative material which will enable us to make more efficient plans for children who have been unsuccessful in their regular school work.

Clerical Practice Course

A need was apparent in the commercial curriculum in the high school for more pupils to be especially prepared for clerical positions since the demand for clerical workers is yearly increasing. A large number of pupils not adapted to the tasks peculiar to a secretary or stenographer find good opportunities to make use of their talents by combining typewriting and a knowledge of clerical work.

A course is now being offered which affords opportunities to specialize in this work. The equipment includes individual sets for the study of filing and various machines now quite commonly used in business offices, including neostyles, adding machines, calculators, and dictaphones. Three capacity classes are now in operation.

Kindergartens

Although nine kindergartens have been maintained in, but not as a part of, the elementary schools of the city for some time, it became evident in September that the provisions for the pre-primary children of the city were inadequate. With accommodations for one hundred at the Cutler School, practically one hundred and fifty eligible children were registered. The Glines School was not suitably situated for the accommodation of the large number of children from the Winter Hill district who wished to attend the kindergarten. It was, therefore, voted by the School Committee to establish new kindergarten facilities as follows:

“a. An afternoon kindergarten during this school year from 1:30 to 4:00, in the so-called Music Room at the Western Junior High School building, for the purpose of accommodating the forty-four children eligible for the Cutler kindergarten but not now in school.

“b. A morning kindergarten during this school year from 9:00 until 11:30 in the so-called Room 4 of the Continuation School, located in the Forster School district.

“c. A kindergarten in the Burns School if the Building Department can make certain building changes which have been proposed.”

Equipment and materials have been ordered for the kindergartens and the rooms at the Cliff and Forster buildings have been made ready. It is expected that the furniture and other materials will be delivered so that the facilities will be available for use when schools open following the Christmas recess.

The establishment of the kindergarten at the Burns School is dependent upon some building changes which as yet have not been undertaken. It is hoped that this work will not be long delayed.

Thrift

A tangible evidence of the efficiency of thrift education manifests itself in the banking activities of the pupils. Comparison of some statistics under the present system with those of the year previous to its inauguration will show the response which has been made to the fundamental principles promulgated in the thrift movement. In 1924-25, 40 % of the enrolled pupils participated in the school banking and a total of \$51,148 was deposited. Last year 88 % of the pupils were enrolled as depositors and the sum of \$97,573 was deposited. More significant than either of the foregoing is the fact that in 1924-25, only 8591 individual deposits were made while in 1928-29 there were 288,444 deposits and 104 schoolrooms maintained 100 % deposit records for the year. This would indicate that saving is being developed as a regular habit among the student body. The thrift program aims to teach the pupils the value of money, how to earn and save it, and also how to spend it wisely. They are to be educated to a conception of the comprehensive nature of conservation in all phases of life, so that they will learn to prepare for the future while they enjoy the present use of all energies and all materials. Character building is the ultimate aim. A teaching body interested in the full-rounded development of the character as well as the academic aspect of the pupils' training is bending every effort to bring about the desired result.

Art

The tremendous growth of the productive ability of children whose interests have been properly aroused and directed into a field which calls forth from their innate capacity feelings which cause them to express themselves in the form of pictures which are designed with definiteness and good taste has been no better exemplified than in the study of art in this city, under the direction of the Supervisor of Art.

A layman, unartistic, cannot but appreciate the happy faculties of knowing what colors go together, what a sense of proportion is, and how to analyze a picture to understand its merits. To a greater degree than ever before, the pupils in all the grades are being taught these things, not that they may become artists but that they may have a deeper appreciation of what is artistic and a deeper knowledge of what to do to make their surroundings more pleasing to themselves and to others.

This work was carried to completion with an exhibition, which was held in all the libraries throughout the city, of drawings done by the pupils in the first six grades. The ex-

cellence of the work, the enthusiasm of the pupils, and the fine interest displayed by the teachers in developing these drawings evoke commendation of the highest calibre.

I commend to the citizens who perchance enter our schools the examination of displays of papers of any kind whatsoever.

Evening High School

For many years the evening high school has been unable to meet the demands of the increasing number of students for commercial subjects, particularly typewriting. Especially unfortunate has been the condition of being unable to provide typewriters for the entire evening to women who did not wish to take other subjects or who are already well schooled in those subjects. With the additional typewriting room which is now available, the evening high school can provide these people with the opportunity which has been lacking heretofore. This has succeeded in eliminating a great deal of confusion which generally has attended the school's opening; it has provided the school with an excellent nucleus of older students and has increased the membership beyond that of other years.

There has been added a class in lip reading in which the students are people whose hearing is not as acute as formerly. This experiment has developed so well that this class can now be considered a fixture in the evening high school. Apparently it fills a much needed gap and the demands for admission are numerous and more than can be provided for at this time.

As has been noted in former years, owing to economic factors and recognition of the value of education, the type of student that now takes advantage of evening high school opportunity is becoming increasingly better; consequently the instruction offered is becoming more advanced.

Special Classes

The work in the special classes has progressed well and the lives of the children have been exceedingly happy. The addition of simple cooking for the class of pre-vocational girls is contemplated, by which it is hoped to teach correct habits of eating, cleanliness, and the proper care of person and home. When this is done, it will provide us with a rather well-rounded course of instruction for all special class children, under conditions which are full of promise to make this work more useful to children. So enthusiastic have the girls become in the entrancing possibilities of home making that they are contri-

buting considerable from their small supply of pocket money and are endeavoring to make such linen and other appurtenances as go with a well-kept and well-ordered table and house.

Lip Reading and Sight Saving Classes

Those children who have handicaps of poor vision or loss of hearing are now receiving instruction fitted for their needs, the time and length of instruction depending upon the amount of handicap they have. All children have had their hearing tested by means of the audiometer and at the present time 57 children are receiving instruction in lip reading at least once a week and some times as often as twice a week, forty-five minutes each time.

The School Committee is at a loss to understand why parents are so neglectful of the important faculties that these children must have to be a success. Many of the cases which have developed into seriousness might have been prevented by attention at the time the teacher sent notices home to the parents. There is hope that this year some means will be found to so present to the parents the horrible outcome of a child's lack of ability to participate with full senses in the enjoyments of childhood that they will realize the necessity of immediate attention and prompt treatment for the possible prevention of blindness and deafness; and that the citizens of the community will become increasingly aware of the extent to which they are providing opportunity for these children to enjoy a life without limitations.

Health

The addition of two school nurses has helped to render our work in the promotion of health more immediate and recurring. Few people realize that the work of the nurse is really one of individual attention, the results of which are never known except to the parties involved.

Our three nurses, assigned to general school work, have thrown themselves into their tasks this year with a new zeal which has accomplished astounding results and which creates the opinion that next year will be one full of promising activity in this field.

In general, the following things have been accomplished: Each child has been weighed at least once, those needing it twice; records have been sent home to the parents informing them of their child's weight; teachers have instructed the chil-

dren and encouraged them to eat what they should to make up deficiencies in weight and in many cases have paid for milk to accomplish this purpose. The nurses have visited the home and ascertained at first hand conditions which they felt might be remedied by suggestions from them.

Through the co-operation of the Board of Health, under whom all the school nurses work, the fourth nurse has been employed this year for the purpose of examining and treating children under the so-called Chadwick Clinic. The early prevention of the dread disease of tuberculosis is certainly the easiest way to accomplish its removal as the present worst scourge of the people. This very important work has begun and no doubt will be very productive of good.

With the assistance of the school dentists, all the teeth of the children in the first three grades have been given a thorough examination and parents have been urged to have dental treatment for their children from their own dentists, those unable to afford such being treated by the school dentists.

The work of the dentists and the nurses has been correlated with the work of the teachers and the Sargent School girls in an endeavor to make children aware of the desirability of being well nourished, of taking care of their teeth, and of standing and sitting properly. Teachers did much by means of class instruction to advance these ideas and the children seized upon such instruction with avidity. All of this work culminated in the annual May Day, at which time all children whose physical characteristics were such as to receive merit were given tags which they were allowed to wear and which permitted them to participate in certain games and plays upon that day.

Important as this work is and great as the energy devoted to it by the various persons concerned, it always remains a matter of conjecture if more ought not to be done and if a great deal that might possibly and easily be done is not left undone. An examination of the teeth alone shows a pressing need for the education of parents in the proper care of their children's teeth.

A second observation is that the condition in which children arrive at school is not such as to guarantee a healthy, energetic participation in school work. It is planned to do considerable work in the promotion of daily health habits this coming year.

Matrons

The two matrons who have assumed the responsibility of guarding the health of the children of the high school, deal with girls in matters of hygiene, instruct pupils in proper garments and food, and at the same time are on call for the prompt treatment of individuals who otherwise would be unable to complete their school day.

Pupil Achievement

It is always interesting to note the extent to which children respond in the grasping of opportunities for education and the personal efficiency which they acquire as they rise to the top in any undertaking which is of tremendous importance to their future.

As an indication of this, those pupils entering college from the high school attained records which are so remarkable as to cause considerable commendation. 154 students from the high school were successful in being admitted to higher institutions of learning. This is approximately 20 more than were admitted last year. An analysis of the records of those admitted to Harvard showed that five received honors, three of them being of the highest degree, and of those applying for M. I. T., seven received honors, two of them in five subjects, one in four, and the others in one or two subjects. A total of 31 honors were received.

In most cases the success of meeting these entrance requirements was predicted by the high school faculty; and, therefore, their recommendations can be considered an indication of success in passing the examinations. This record was achieved (1) at a time when college entrance requirements have been increased in difficulty, and (2) under conditions of most extreme competition because of the number of candidates clamoring for admission.

It is also interesting to note that our scholarship throughout the city has maintained a high record. Pupils, in prize essay contests, have won city, county, state, and national honors. Exceptional honor was attained by one pupil who received a national prize, which carried with it a trip to Washington, in a composition contest which is probably the most important and extensive ever held in the country.

RESEARCH STUDIES

Education is as effectively operated as are any other affairs of the country. The educational processes have been

developed through various stages, always tending toward improvement. The results of our accomplishment or failure are so permanent and far-reaching that those charged with the operation of schools are prompted to the utmost concern for their success.

A continuous measuring and checking up of the accomplishments of a system and a constant adjusting of the educational opportunities offered to meet the needs of the students are antidotes to allowing our educational processes to become merely routine.

Constant research can and will be the factor upon which the effective management and operation of education will be dependent.

To keep abreast of the times school executives throughout the country are making researches continually. We, in Somerville, are doing our share by attacking those problems which seem to be the most in need of attention at the present time. Research will show the way for a higher degree of supervision and will provide for a better quality of instruction and a better disposition of our mental and financial resources.

In accordance with this idea, a steering committee of masters has been working with the Superintendent on the general problem of increased and more effective supervision. The School Committee has also a small committee at work considering the advisability of making a re-organization of the supervisory force of the elementary schools. This entire problem involves a very careful study and revision of the curriculum.

Revision of Curriculum

There has been a lack in the courses of study, especially in their continuity from grade to grade. This investigation will result in a schedule of continuous courses from grade one through twelve. Such a plan will permit us to put into effect methods of instruction, following the best thought and practices of the educators of the country, which will be made uniform and will be based upon the particular needs of our community.

To accomplish this, three committees, functioning in the high, junior high, and elementary schools, have been working under the direction of this steering committee. As part of this work a very complete study is being made of the methods and means of primary reading, and the Music Director is making a study of the music situation in the city.

Marking Standard

For some time there has been the necessity of following the progress of pupils from grade to grade and from one school to another in an analytical way to determine the extent to which certain factors were responsible for their success and failure. There has been constant endeavor to make the bases of promotions and demotions more regular throughout the city, at the same time leaving masters with the utmost authority to permit individual consideration of cases that needed such attention.

This action showed the need of bringing our standard of measurement—the teacher's mark—to a position in the general scheme which would make it more truly representative of the child's place within his class. This required considerable statistical work and the good results might properly be considered the most important work of a research nature undertaken this year.

Briefly, the results when completed and made available for the teachers will give them information which will tend to make the marking scheme throughout the city more uniform. This work will be related and carried along with a testing program which will extend over a period of three years, and include certain high school pupils, and which will provide us eventually with conclusive data on pupil progress and the possibilities of school success as related to marks obtained in any one grade.

Mental Testing

In order to complete any study of merit, some indicator of the child's mental ability is necessary. We have begun this year a mental testing program, which, at the end of three years, will give us "mental" data which will be sufficiently complete to base our courses of study on for all nine grades and our choices of curriculum for individual students. The advantages of this program have been immediately felt and the teachers have at their disposal statistics which, coupled with their own judgment and the aid of the parent and principal, will allow them to serve the needs of their pupils collectively and individually in a much wiser and more complete fashion than formerly. It has also aroused the teacher to the point of acquiring the new knowledge and techniques which have been more recently developed for the governing and teaching of children. By this means, the city is able to make use of the increased skill and knowledge which has been acquired by the teachers through participation in the professional improvement plan.

This testing program at the present time has two phases, one of which is the testing of the pupils of the seventh grades of the junior high schools in each successive year, and the other is the testing of the pupils of the first three grades. The purpose of the junior high school testing is to obtain for the teacher more information about her pupil for guidance as to proper courses and the speed with which he may take up those courses. This information will be available for use by the high school and colleges and is becoming of increasing value and utility for the guidance and prediction of success of pupils. This information can also be related to subject tests,—teacher-devised and standard,—which practice will lend valuable assistance in determining materials of study and methods of teaching, especially in the difficult fields of Mathematics and English.

There is no doubt that this data will help to prevent the tremendous loss of time and energy which pupils spend in courses for which they are unfitted and which therefore will eventually lack interest for them, thus making their school life unhappy, their retention in school a problem, and their success in later life a matter of conjecture.

The second phase of the testing will provide us information which will be found useful in the treatment of individual cases which are not low enough to be considered atypical but which cause us considerable difficulty because of some definite lack, such as that of word recognition. This information will be absolutely necessary to study properly the new courses of study, the changed methods of reading, and any other research work which may follow.

These research activities are only a step in the right direction and many other studies will follow. It is the intention of the administration to build up within the city a research organization which can function in the different schools in the several capacities in which it may be needed. It should be noted that every member of the instructional organization is to have a vital part in revising the tools by which the futures of the youth of Somerville are to be shaped.

PROFESSIONAL IMPROVEMENT

It is increasingly evident from the improvement shown in the work of our teachers that the Professional Improvement Plan as outlined and put into operation in 1924 was a very important act of the School Committee.

Of the 490 permanent teachers now in the employ of the city, 451 have taken courses and have received some financial benefit in addition to what they have gained professionally.

One hundred and sixty-nine teachers have taken courses amounting to 360 college hours and have thus earned the whole increment to the maximum salary of \$300. Many of these teachers are continuing to take courses even though they can receive no further financial benefit under the Plan.

As a natural consequence of this Plan, the teachers have been stimulated to better teaching and my observation has strengthened my feeling that this plan is of tremendous value in the making of successful teachers and in increasing their service to the pupils and the city.

CONCLUSION

The accomplishments of the schools are dependent upon the efforts of the teaching corps. During the past year the entire personnel has carried on its work with interest and vigor in such a way as to deserve high commendation from the community and the School Committee. The harmonious effort expended, the spirit shown, the happiness prevailing—all governed by the highest of professional ideals—have resulted in an extremely successful year.

The Superintendent is pleased to acknowledge publicly the fine accomplishment of the year and to pay high tribute to the wonderful spirit of co-operative loyalty shown by his co-workers in their efforts for the youth of our community.

Respectfully submitted,

EVERETT W. IRELAND,

December 16, 1929.

Superintendent of Schools.

SOMERVILLE HIGH SCHOOL

Students Entering Higher Institutions in September, 1929

1.	Boston College	8
2.	Boston University	27
	a. College of Business Administration	9
	b. School of Education	2
	Sargent School	7
	c. College of Liberal Arts	2
	d. College of Practical Arts	7
3.	Bowdoin College	1
4.	Chandler School	5
5.	Colby School for Girls	1
6.	Dartmouth College	1
7.	Emmanuel College	1
8.	Harvard University	11
	a. Harvard College	9
	b. Engineering School	2
9.	Katherine Gibbs School	6
10.	University of Maine	1
11.	Massachusetts Agricultural College	1
12.	Massachusetts Institute of Technology	9
13.	Massachusetts College of Pharmacy	3
14.	Massachusetts State Normal Schools	25
	a. Massachusetts School of Art	5
	b. Bridgewater Normal School	2
	c. Fitchburg Normal School	1
	d. Framingham Normal School	2
	e. Salem Normal School	15
15.	Mount Holyoke College	1
16.	Northeastern University	18*
	a. Business Administration	7
	b. Engineering School	11
17.	Radcliffe College	6
18.	Simmons College	4
19.	Tufts College	21
	a. Tufts College	9
	b. Jackson College	7
	c. Engineering College	5
20.	Villanova College	2
21.	Wentworth Institute	2
22.	Wheaton College	1

* Nine registered to enter in December, 1929.

	Boys	Girls	Total
Normal Schools	1	24	25
Scientific Schools	29		29
Colleges	52	49	101
	82	73	155

NUMBER OF PUPILS BY SUBJECTS

December, 1929

	Totals
English	2357
Elocution	1227

History	1739
Latin	442
French	1082
Spanish	410
German	66
Italian	112
Chemistry	551
Physics	176
Biology	396
Physiology	48
Astronomy and Geology	23
Trigonometry	18
Geometry	560
Algebra	384
Mathematics	175
Stenography	485
Typewriting	812
Bookkeeping	484
Penmanship	890
Salesmanship	96
Commercial Law	19
Commercial Arithmetic	78
Clerical Practice	79
Commerce and Industry	522
Problems in Citizenship	137
Household Arts	51
Cooking	85
Dressmaking	107
Manual Training	132
Mechanical Drawing	246
Freehand Drawing	235
Arts and Crafts	92

MEMBERSHIP IN HIGH SCHOOL ACTIVITIES

December, 1929

Orchestras (2)	87
Glee Clubs (3)	204
Band	64
Fife, Drum and Bugle Corps	16
Students' Council	18
Traffic Squad	120
National Honor Society	89
School Paper	21
Literary Club	150
Webster Debating Society	47
Girls' Debating Society	23
Players' Club	35
Spanish Club	45
Italian Club	42
Sketch Club	45
Chess Club	16
Girls' Athletic Association	350
S. H. S. Athletic Association	all pupils

SOMERVILLE TEACHERS' CLUB

Officers, 1929-1930

President, Ardelle Abbott*Vice-Presidents*, { Lilla E. Mann
 { Elfrida V. Callister*Recording Secretary*, Ilene C. Ritchie*Corresponding Secretary*, Frances E. Biller*Treasurer*, Eleanor D. Campbell*Auditor*, Anna J. Coll

Object

The object shall be to secure a close union among the women teachers in Somerville; to promote the spirit of mutual helpfulness; to advance professional interests; to create a deeper sense of the dignity of the profession; to unite the interests of the home and school.

Program

February 13.—Reading, Judge Henry A. Shute. Music by the Beethoven Quartette.

April 10.—Dramatics, under the direction of Miss Harriet M. Bell.

May 8.—Annual Meeting. Election of Officers. Reports of Committees.

June 1.—Annual Outing, Riverbank Lodge.

October 17.—Lecture, "My Trip Around the World," Robert Lincoln O'Brien.

November 2.—Rummage Sale, Bennett School.

December 10.—Christmas Party. Entertainment by the Everett Teachers' Glee Club.

SOMERVILLE HIGH SCHOOL ATHLETIC ASSOCIATION

Annual Report of the Treasurer Jan. 1, 1930

Receipts

Balance on hand Jan. 1, 1929		\$2,750 46
Baseball games	\$766 65	
Football games	6,825 00	
Interest	38 34	
Miscellaneous	64 75	
	<hr/>	7,694 74
		<hr/>
		\$10,445 20

Expenditures

Athletic supplies	\$2,887 92	
Medical supplies and services	246 36	
Paid visiting teams	1,342 32	
Officials	349 00	
Police	523 00	
Assistance at games	130 00	
Postage	30 20	
Printing	62 75	
Telephone	43 85	
Transportation	263 80	
Coaching	950 00	
Treasurer's salary	100 00	
Physician's salary	200 00	
Manager's salary	400 00	
Dues to Athletic Association	6.00	
Miscellaneous	665 00	
		<hr/>
		\$8,200 20
Balance on hand Jan 1, 1930.....		<hr/>
		\$2,245 00

GEORGE E. PEARSON,
Treasurer.

IN MEMORIAM

JOHN SHERBURNE EMERSON

Baxter, Knapp, Perry schools

Died June 9, 1929

NORA F. BYARD

Proctor School

Died June 10, 1929

GRACE SHOREY

Forster School

Died May 13, 1929

STATEMENT OF WORK OF SCHOOL DENTAL DISPENSARY

PROCTOR SCHOOL

For the School Year Ending June 28, 1929

MONTH.	No. of Children Treated	New Patients	Former Patients	Teeth Extracted	No. Teeth Filled	No. Cleanings	No. Having Brushes	No. Not Having Brushes	Treatments	Novocain	Examination	Amount of fees Collected
September	51	32	19	12	23	6	47	4	37	2	1	\$ 9.80
October	156	87	69	65	55	9	144	12	98	15	14	26.33
November	118	73	45	76	28	6	102	16	39	35	17	21.60
December	88	43	45	53	17	3	85	3	37	20	13	14.15
January	108	44	64	58	27	7	102	6	54	27	15	16.05
February	49	24	25	32	4	3	47	2	6	10	12	9.00
March	32	15	17	21	13	8	26	6	7	5	1577	6.60
April	114	62	52	69	70	29	105	9	48	34	157	24.55
May	106	69	37	68	45	15	98	8	29	44	8	21.25
June	95	55	40	66	38	10	86	9	19	46	5	21.90
Total	917	504	413	520	320	96	842	75	374	238	1819	\$171.23

**STATEMENT OF WORK OF SCHOOL NURSES
FOR YEAR ENDING, JUNE 28, 1929**

DATE	Schools	Hospitals	Total No. of Pupils seen	Notices sent to Guardian	Consultations with Teachers	Consultations With Med. Inspector	Treatments in School	INSPECTIONS								PUPILS ESCORTED TO CLINICS																Corrected Vision	Corrected Hearing	Oper-ations		Contag-ion found in		* Home Visits		Hy-giene Talks	
								Dental		Pedic- ulosis		Un- clean		Eye		Ear		Nose and Throat		*Med- ical		Sur- gical		Skin		Dental		Tonsils	Adenoids	School	Home			New	Old	School	Home				
								New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old														
September..	90	.....	3347	9	244	6	258	2730	.....	113	7	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	1	.....	2	.....	185	4	385	.....		
October	98	3	3415	160	195	3	140	2153	14	118	128	31	16	2	1	1	1	1	...	3	3	21	5	1163		
November..	115	.....	4717	283	250	5	188	2491	333	117	386	48	81	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	...	5	5	.....	.....	37	5	1326	.....		
December ..	76	.....	3094	190	190	5	108	1679	.....	112	212	9	71	1	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	12	4	.....	.....	
January	104	.....	5504	168	252	5	210	1591	480	79	215	6	85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	6	6	.....	.....	14	14	1001	1
February...	72	.....	2482	71	158	4	152	893	548	137	214	62	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	...	2	2	.....	.....	17	8	785	.....		
March.....	102	.....	3758	1073	221	18	.....	.....	16	53	305	2	109	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	10	5	655	.....		
April	87	.....	3609	284	193	4	191	189	364	41	173	6	82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	8	789	.....			
May	111	.....	2920	112	257	6	158	40	149	54	229	7	69	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	1	3	5	.....	11	10	520	.....		
June.....	92	1	1452	94	238	4	215	37	63	1	139	3	72	8	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	17	9	377	.....		
Total...	947	4	34298	2444	2198	60	1620	11803	1967	825	2008	175	624	14	4	7	1	1	1	1	11	5	18	19	8	327	72	7001	1			

*Treated by family physician or dentist

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SUMMARY OF STATISTICS

1.—POPULATION AND SCHOOL CENSUS

Population, state census, 1895	52,200
Population, United States census, 1900	61,643
Population, state census, 1905	69,272
Population, United States census, 1910	77,236
Population, state census, 1915	86,854
Population, United States census, 1920	93,033
Population, state censuse, 1905	69,272
Children between five and fifteen years of age inclusive, October, 1929, by school census	18,380

2.—SCHOOL BUILDINGS

Number of school buildings in June	31
Number of classrooms in use in June	436
Valuation of school property	\$3,700,000

3.—TEACHERS

	*1928	*1929	Change
In High schools	79	88	+9
In junior high schools	122	127	+5
In elementary schools	223	226	+3
In kindergartens	16	16	0
Total in elementary schools	239	242	+3
Vocational school for boys	10	10	0
Independent Household Arts	1	1	0
Atypical classes	6	7	+1
Sight saving	1	1	0
Cadet teachers	14	20	+6
Special	13	14	+1
Continuation	3	3	0
Americanization	1	2	+1
Total	489	515	+26

4.—ATTENDANCE FOR YEAR

	*1928	*1929	Change
Entire enrollment for the year	16,807	17,083	+276
Average number belonging	15,190	15,521	+331
Average number attending	14,232	14,435	+203
Per cent. of daily attendance	93.1	93.0	—0.1
High school graduates	513	606	+93
Junior High school graduates	1,040	1,165	+125

5.—COST OF SCHOOL MAINTENANCE

	*1928	*1929	Change
Salaries of teachers	\$950,532 39	\$1,001,046 70	+ \$50,514 31
Salaries of officers	23,795 84	20,869 34	—2,926 50
Cost of books and supplies....	51,041 19	54,662 69	+3,621 50
Cost of light and power	13,898 12	19,457 76	+5,559 64
Cost of janitor's services, etc.	86,579 74	87,451 70	+871 96
Cost of fuel and insurance	23,543 52	30,032 53	+6,489.01
Total cost of day and evening schools	1,149,390 80	1,213,520 72	+64,129 92
Per capita cost	75 67	78 19	+2 52
Cost of high school instruction	187,342 87	205,906 25	+18,563 38
Per capita cost	87 50	92 96	+5 46

6—MISCELLANEOUS

	*1928	*1929	Change
Paid for new school buildings	\$105,469 07	\$673,185 00	+567,715 93
Repairs and permanent improvements	57,226 33	74,968 01	+17,741 68
Total school expenditures	1,312,086 20	1,961,673 73	+649,587 53
Valuation of city	120,172,300 00	118,840,900 00	—1,331,400 00
Number of dollars spent to maintain schools out of every \$1,000 of valuation....	9 56	10 21	+0.65
Number of dollars spent for all school purposes out of every \$1,000 of valuation	10 92	16 50	+5.58

* School year.

Cost of the Schools

The total amount spent for the maintenance of the schools of Somerville for the school year ending June 30, 1929, is \$1,213,520.72.

This includes the sums spent for care of school buildings, including janitors' services, fuel, light, and school telephones: the amount paid for salaries of officers, and the amount spent for school supplies; and the sum paid for salaries of teachers.

The expenditure for *care for school buildings* is wholly in charge of the City Government.

The amount paid for janitors is	\$87,451 70
The cost of fuel is	30,032 53
The cost of light is	19,457 76
A total cost of	\$136,941 99
A total cost per capita of	8 82
Cost of repairs	72,680 26

The second important expenditure is wholly under the control of the School Committee and is covered by what is known as the "*School Contingent*" appropriation. The following is the itemized account:—

Expenditures.	Total.	DAY SCHOOLS.		EVENING SCHOOLS.		CONTINUATION SCHOOLS AND AMERICANIZA- TION WORK
		High and Vocational	Elementary	High and Vocational	Elementary	
Officers' Salaries.....	\$21,492.99					
Office Expenses.....	4,977.84					
Textbooks.....	18,092.39	\$7,121.05	\$10,937.24	\$12.38		\$21.72
Stationery and Supplies and Other Ex- penses of In- struction.....	24,886.41	15,949.06	8,328.22	345.96	22.02	241.15
Miscellaneous (Tuition, etc.)	6,082.40	1,779.59	4,066.87	97.37	8.84	129.73
Total	\$75,532.03	\$24,849.70	\$23,332.33	\$455.71	\$30.86	\$392.60

The third, and by far the largest, element of the cost of schools is the sum spent for the *salaries* of *teachers*. This expenditure is under the control of the School Committee.

The following statement shows the distribution of the sums paid for salaries:—

Expenditures.	Total.	DAY SCHOOLS.		EVENING SCHOOLS.		CONTINUATION SCHOOLS AND AMERICANIZA- TION WORK
		High and Vocational	Elementary	High and Vocational	Elementary	
Supervisors	\$30,588.63	\$7,281.15	\$21,487.48			\$1,820.00
Principals.....	57,551.25	14,790.08	40,715.17	\$680.00	\$456.00	900.00
Teachers	912,906.82	302,407.20	593,268.12	6,388.00	1,216.00	9,627.50
Total	\$1,001,046.70	\$324,478.43	\$655,470.77	\$7,078.00	\$1,672.00	\$12,347.50

The *total outlay* for all *school purposes* includes all of the preceding and the sums spent for schoolhouse repairs and new buildings.

The *total outlay* for the school year ending June 30, 1929, is as follows:—

Care	\$136,941 99
Contingent	54,662 69
Salaries	<u>1,021,916 04</u>
Total for school maintenance	\$1,213,520 72
Paid for repairs	74,968 01
Paid for new buildings	<u>673,185 00</u>
Total for all school purposes.....	\$1,961,673 73

Each dollar of the sum spent for the support of schools has been divided in the following proportion:—

	1924	1925	1926	1927	1928	1929
Janitors' salaries..	\$0.072	\$0.077	\$0.074	\$0.073	\$0.075	\$0.072
Heat and light	0.047	0.056	0.036	0.047	0.033	0.041
Administration	0.016	0.016	0.018	0.019	0.020	0.017
School supplies	0.057	0.047	0.046	0.042	0.045	0.045
Teachers' salaries	0.808	0.804	0.826	0.819	0.827	0.825
	<u>\$1.000</u>	<u>\$1.000</u>	<u>\$1.000</u>	<u>\$1.000</u>	<u>\$1.000</u>	<u>\$1.000</u>

Per Capita Cost. The proper method of comparison of the cost of schools year by year is to consider the sum spent for each pupil in the average membership. In this computation we exclude the cost of evening schools, and the vocational schools. The following shows:—

The Per Capita Cost of Day Schools for 1928 and 1929

	High School.			Junior High Schools.			Elementary Schools.			All Day Schools.		
	1928.	1929.	Change	1928.	1929.	Change	1928.	1929.	Change	1928.	1929.	Change
Instruction.....	\$69.05	\$84.29	+\$5.24	\$71.35	\$69.85	-\$1.50	\$51.10	\$53.87	+\$2.77	\$62.23	\$63.80	+\$1.57
Supplies.....	5.94	7.49	+1.55	3.61	3.65	+0.04	1.94	1.92	-0.02	3.01	3.17	+0.16
Care.....	9.25	9.47	+0.22	7.04	7.60	+0.56	7.31	8.18	+0.87	7.63	8.20	+0.52
Total.....	\$104.24	\$111.25	+\$7.01	\$82.00	\$81.10	-\$0.90	\$60.35	\$63.97	+\$3.62	\$72.92	\$75.17	+\$2.25

Including the cost of maintenance of evening schools, the per capita cost is as follows:—

	1924	1925	1926	1927	1928	1929
Cost of Instruction	\$51 21	\$51 25	\$54 87	\$60 89	\$62 23	\$63 95
Cost of Supplies	3 34	2 79	2 90	2 94	3 01	3 19
Cost of Care	7 39	8 35	6 96	8 49	7 68	8 33
Total	<u>\$61 94</u>	<u>\$62 39</u>	<u>\$64 73</u>	<u>\$72 32</u>	<u>\$72 92</u>	<u>\$75 47</u>

An examination of these tables shows that we have paid \$5.24 more for the instruction of each pupil in the High School than in 1928, and \$1.55 more per pupil for supplies.

The elementary schools have cost \$2.77 more per pupil for instruction, and 2 cents less for supplies.

The amount spent for the school year 1929 was \$10.21, or 65 cents more than was spent in 1928. The amount yielded for each child in the average membership of the schools for 1929, not including the vocational schools, was \$75.47.

TEACHERS' SALARIES

The salaries paid to teachers in January 1930 are as follows:—

1 man	\$5,000	15 women	2,150
1 man	4,200	5 women	2,125
1 man	4,000	39 women	2,100
1 man	3,550	6 women	2,075
7 men, 1 woman	3,500	10 women	2,050
1 man	3,475	5 women	2,025
1 man	3,425	3 men, 69 women	2,000
1 man	3,400	1 man, 13 women	1,975
1 woman	3,325	2 men, 15 women	1,950
1 man	3,300	1 man, 11 women	1,925
1 man	3,200	1 man, 11 women	1,900
1 man	3,050	11 women	1,875
1 man	3,025	2 men, 11 women	1,850
3 men	3,000	11 women	1,825
3 men	2,850	5 men, 15 women	1,800
3 men	2,800	7 women	1,775
1 man	2,775	9 women	1,750
1 man	2,725	5 women	1,725
1 man, 1 woman	2,700	3 men, 27 women	1,700
1 man, 1 woman	2,600	1 woman	1,675
1 woman	2,550	4 women	1,650
1 man	2,500	10 women	1,625
2 women	2,475	6 women	1,600
1 woman	2,450	2 women	1,575
1 man	2,425	2 women	1,550
1 man, 1 woman	2,400	1 woman	1,525
3 men, 1 woman	2,375	2 women	1,500
1 man, 3 women	2,350	1 woman	1,475
1 man	2,325	4 women	1,450
3 men, 3 women	2,300	1 woman	1,425
1 man, 2 women	2,275	1 man, 3 women	1,400
3 men, 13 women	2,250	4 women	1,375
1 woman	2,225	3 women	1,350
5 men, 18 women	2,200	2 men, 12 women	1,300
3 women	\$2,175	2 women	1,275
		17 women	1,200

Table 1—Schoolhouses, January, 1930

NAME	+No. of Classrooms	No. of Sittings	Size of Lot, including Space Occupied by Building	Material	How Heated	How Ventilated	Valuation, including Furniture	When Built	Enlargements
High School } West } } East }	†66	1,804	*	Brick	Steam	..... Fan	*\$905,300	1895 1871 1927	{ 8 rooms added 1906 30 rooms added 1913 27 rooms added 1928
Gymnasium									
Prescott } Southworth }	13 11	470 356	49,310 24,517	Brick Brick	Steam Steam	Fan Fan	139,200	1867 1916	
Knapp	#13	519	27,236	Brick	Steam	Gravity	58,500	1889	4 rooms added 1894
Pope	12	567		Brick	Steam	Gravity	88,600	1891	
Bell	32	1,344	29,860	Brick	Steam	Fan	246,000	1874	{ 13 rooms added 1918 8 rooms added 1923
Edgerly	°12	215	24,000	Brick	Steam	Gravity	48,000	1871	{ 4 rooms added 1882 4 rooms added 1892
Glines	14	697	28,800	Brick	Steam	Gravity	101,400	1891	
Chandler	35	1,404	74,124	Brick	Steam	Fan	638,900	1923	
Forster	13	664	30,632	Brick	Steam	Gravity	112,000	1866	5 rooms added 1896
Folsom } Bingham }	13 16	730	35,586	Brick	Steam	Gravity	82,000	1899 1886	{ 4 rooms added 1894 8 rooms added 1904
Carr	15	705	20,450	Brick	Steam	Gravity	63,100	1898	
Morse	12	507	29,000	Brick	Steam	Gravity	64,000	1869	6 rooms added 1890
Highland	12	423	23,260	Brick	Steam	Gravity	72,400	1880	4 rooms added 1891
Carried forward.....	289	10,405	.....	.....	.....	.....	\$2,619,400	.....

* Buildings are located on Central Hill Park, which contains 13 1-10 acres; land not included in valuation.

† Includes home rooms, laboratories, shops, assembly rooms, etc.

#2 rooms converted into a hall.

°3 rooms not in use.

Table 1—(Concluded)—Schoolhouses, January, 1930

NAME	No. of Classrooms	No. of Sittings	Size of Lot, including Space Occupied by Building	Material	How Heated	How Ventilated	Valuation, including Furniture	When Built	Enlargements
Brought forward.....	289	10,405	.....	.....	.....	.....	\$2,619,400	.....	.....
Hodgkins	14	{ 1188	35,034	Brick	Steam	Gravity	121,700	1896	9 rooms added 1923
Western	24	.....	.....	Brick	Steam	Fan	†208,000	1917	6 rooms added 1915
Cutler	20	1009	53,729	Brick	Steam	Fan	145,800	1912	.....
Bennett	12	482	21,904	Brick	Steam	Gravity	58,000	1902	.....
Hanscom	10	468	16,767	Brick	Steam	Fan	70,500	1897	.....
Brown	10	480	23,733	Brick	Steam	Gravity	83,000	1901	4 rooms added 1907
Proctor	49	358	.....	Brick	Steam	Gravity	*47,000	1905	4 rooms added 1907
Burns	8	336	16,080	Brick	Steam	Gravity	49,000	1886	4 rooms added 1899
Lowe	8	386	21,650	Brick	Steam	Gravity	59,000	1903	.....
Baxter	6	240	11,000	Brick	Steam	Gravity	40,700	1901	.....
Perry	6	277	46,080	Brick	Steam	Gravity	56,100	1899	.....
Boys' Vocational { Davis 4 Machine Shop 2 Automobile Shop 2	8	.....	30,155	Wood	Steam	Gravity	71,000	1884	Machine shop added 1917 Automobile shop added 1918
Cummings	4	196	11,300	Wood	Furnace	Furnace	19,900	1884	.....
Durell	4	190	13,883	Brick	Steam	Gravity	26,100	1894	.....
Lincoln	4	171	17,662	Wood	Steam	Gravity	24,800	1885	.....
Total.....	436	16,186	.....	.....	.....	.....	\$3,700,000	.....	.....

*State property. †Land included in Walter Ernest Shaw Playground. #One room used for Dental Dispensary.

Table 2.—Cost of Maintaining Schools

FOR SCHOOL YEAR 1928-1929

SCHOOLS.	FROM SCHOOL APPROPRIATION.		SPENT BY CITY GOVERNMENT.	Total
	Instruction and Supervision.	Supplies.	Care.	
High.....	\$208,850.55	\$16,591.05	\$21,080.85	\$246,522.45
Northeastern Jr.	100,181.95	5,247.75	9,774.32	115,204.02
Southern Jr.....	89,391.69	4,516.21	9,123.63	103,031.53
Western Jr.....	82,323.14	4,418.90	10,364.15	97,106.19
Prescott.....	38,651.97	1,246.24	6,929.88	46,828.09
Hanscom.....	21,959.77	740.29	3,097.66	25,797.72
Bennett.....	24,752.05	1,152.25	3,117.07	29,021.37
Baxter.....	12,587.22	333.44	2,389.03	15,309.69
Knapp.....	21,855.70	854.76	3,562.86	26,273.32
Perry.....	12,503.40	330.09	2,389.03	15,222.52
Pope.....	25,440.48	771.98	3,477.99	29,690.45
Cummings.....	8,876.85	226.90	2,008.64	11,112.39
Edgerly.....	7,443.21	287.28	2,318.62	10,049.11
Glines.....	28,863.73	1,180.36	3,608.90	33,649.99
Forster.....	24,287.82	998.95	3,616.11	28,902.88
Bingham.....	34,792.34	1,214.03	4,045.07	40,051.44
Carr.....	32,029.12	991.39	4,204.44	37,224.95
Morse.....	25,508.83	742.66	3,334.80	29,586.29
Proctor.....	15,224.28	546.24	2,468.66	18,239.18
Durell.....	8,033.22	228.48	2,008.64	10,270.34
Burns.....	17,708.81	457.66	2,743.30	20,909.77
Brown.....	21,264.89	711.19	3,097.66	25,073.74
Highland.....	20,525.92	664.78	2,608.49	23,799.19
Cutler.....	46,859.31	1,687.70	6,325.29	54,872.30
Lincoln.....	8,256.78	276.19	2,008.64	10,541.61
Lowe.....	16,793.17	483.81	2,743.30	20,020.28
Atypical.....	13,397.88	1,177.47	1,978.87	16,554.22
Sight Saving.....	2,138.65	167.90	273.71	2,580.26
Continuation.....	6,685.45	364.15	3,354.62	10,404.22
Americanization.....	5,999.65	155.63	1,770.55	7,925.83
Evening High.....	6,475.70	493.26	1,104.55	8,073.51
“ Elementary ..	1,693.27	38.86	1,604.17	3,336.30
“ Practical Arts	707.32	2 00	186.67	895.99
Boys' Vocational.....	26,995.92	5,266.07	3,016.00	35,277.99
Independent House- hold Arts.....	2,859.00	96.77	1,205.82	4,161.59
Total.....	\$1,021,916.04	\$54,662.69	\$136,941.99	\$1,213,520.72

Table 3.—Per Capita Cost of Maintaining Schools
FOR THE SCHOOL YEAR 1928-29

SCHOOLS.	Instruction and Supervision.	Supplies.	Care.	Total.
High	\$94.29	\$7.49	\$9.47	\$111.25
Northeastern Jr.....	67.01	3.51	6.54	77.06
Southern Jr.	70.83	3.58	7.23	81.64
Western Jr.	71.71	3.85	9.03	84.59
Prescott	56.59	1.82	10.15	68.56
Hanscom	51.07	1.72	7.20	59.99
Bennett.....	53.00	2.47	6.67	62.14
Baxter.....	77.70	2.06	14.75	94.51
Knapp.....	52.41	2.05	8.54	63.00
Perry	50.62	1.34	9.67	61.63
Pope	54.71	1.66	7.48	63.85
Cummings	54.79	1.40	12.40	68.59
Edgerly.....	51.33	1.98	15.99	69.30
Glines	42.19	1.73	5.28	49.20
Forster.....	43.45	1.88	6.47	51.80
Bingham	47.98	1.67	5.58	55.23
Carr.....	60.43	1.87	7.93	70.23
Morse	56.31	1.64	7.36	65.31
Proctor	54.96	1.97	8.91	65.84
Durell	52.16	1.48	13.04	66.68
Burns	69.72	1.80	10.80	82.32
Brown	55.38	1.85	8.07	65.30
Highland	61.83	2.00	17.86	81.69
Cutler	46.17	1.66	6.23	54.06
Lincoln	57.74	1.93	14.05	73.72
Lowe	57.51	1.66	9.39	68.56
Atypical	136.71	12.02	20.19	168.92
Sight Saving	152.76	11.99	19.55	184.30
Evening	11.90	.72	3.88	16.50
Continuation.....	39.33	2.14	19.73	61.20
Americanization.....	17.75	.46	5.24	23.45
Elementary	53.87	1.92	8.18	63.97
All schools (without state-aided schools)	63.95	3.19	8.33	75.47
Boys' Vocational.....	194.21	37.89	21.70	253.80
Ind. Household Arts.....	48.46	1.64	20.44	70.54

Table 4.—Annual Cost of Maintaining the Schools.

FOR A SERIES OF YEARS.

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Membership.	FROM SCHOOL APPROPRIATION.		SUM SPENT UNDER DIRECTION OF CITY GOVERNMENT.				Total.
		Instruction and Supervision.	School Supplies.	Light.	Heating.	Janitors.	School Tele-phones.	
1912	11,710	\$306,709	\$30,319	\$5,995	\$15,676	\$30,219	\$512	\$389,431
1913	11,856	320,744	25,877	5,842	16,055	32,939	542	402,092†
1914	12,320	338,587	26,843	6,448	18,952	33,711	624	425,165
1915	12,903	357,581	29,389	5,755	18,366	32,674	213	443,978
1916	13,191	363,948	26,098	6,233	20,197	34,667	.....	451,143
1917	12,770	376,138	29,221	5,429	25,487	35,718	.....	471,993
1918	12,656	410,589	33,587	6,966	35,839	42,063	18	529,062
1919	12,733	437,730	33,225	8,821	22,960	55,710	.....	*559,328
1920	12,836	613,294	40,079	10,092	37,083	56,381	.....	*757,679
1921	13,366	714,859	26,329	12,163	63,017	61,435	.....	*878,153
1922	14,109	747,905	42,682	10,531	26,521	61,987	.....	*889,877
1923	14,308	752,272	44,106	9,883	64,726	63,408	.....	934,395
1924	14,544	769,773	52,757	9,803	34,162	67,277	.....	933,772
1925	14,699	790,963	45,259	12,226	41,846	73,967	.....	964,261
1926	15,042	851,758	46,497	13,319	23,316	74,924	.....	1,009,814
1927	15,042	944,588	47,388	13,187	39,524	82,773	.....	1,127,460
1928	15,190	974,328	51,041	13,898	23,544	86,580	.....	1,149,391
1929	15,521	1,021,916	54,663	19,458	30,032	87,452	.....	1,213,521

†\$92.50 included for rental of church for schoolhouse purposes in Ward 7.

*Includes \$882.50, rent of Armory, in 1919.

* " 750.00, " , in 1920.

* " 350.00, " , in 1921.

* " 250.00, " , in 1922.

Table 5.—Annual Cost Per Capita of Maintaining Schools

FOR A SERIES OF YEARS.

[Based on the average membership.]

YEAR.	Instruction and Supervision.	School Supply Expenses.	Janitors. Heat and Light.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1912	\$23 61	\$2 12	\$3 99	\$29 72	\$69,632,540	\$.00556
1913	24 54	1 91	4 18	30 63	71,848,811	.00559
1914	24 55	1 89	4 27	30 71	74,887,800	.00568
1915	24 90	2 03	3 92	30 85	77,153,500	.00575
1916	26 25	1 88	4 41	32 54	79,304,329	.00569
1917	26 72	2 05	4 61	33 38	78,921,472	.00595
1918	29 58	2 40	6 09	38 07	84,639,280	.00625
1919	31 82	2 45	6 43	40 70	87,353,424	.00643
1920	44 34	2 80	7 45	54 59	83,910,855	.00903
1921	50 07	1 60	9 62	61 29	86,718,290	.01012
1922	50 90	2 77	6 73	60 40	88,158,139	.01009
1923	50 39	2 85	9 24	62 48	92,519,400	.01010
1924	51 21	3 34	7 39	61 94	99,311,000	.00940
1925	51 25	2 79	8 35	62 39	104,769,800	.00920
1926	54 87	2 90	6 96	64 73	109,262,400	.00915
1927	60 89	2 94	8 49	72 32	116,406,900	.00969
1928	62 23	3 01	7 68	72 92	120,172,300	.00956
1929	63 95	3 19	8 33	75 47	118,840,900	.01021

Table 6.—Amount Spent Annually for all School Purposes.

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes
1912	\$35,527	\$14,163	\$389,431	\$439,121
1913	34,866	19,341	402,092	456,299
1914	120,913	19,700	425,165	565,778
1915	9,745	28,212	443,978	481,935
1916	81,184	21,634	451,143	553,961
1917	94,420	27,283	471,993	593,696
1918	100,177	30,126	529,062	659,365
1919	104,067	20,492	559,328	683,887
1920	200	44,286	757,679	802,165
1921	3,285	39,573	878,153	921,011
1922	7,576	36,629	889,877	934,082
1923	588,302	63,052	934,395	1,585,749
1924	289,938	57,593	933,772	1,281,303
1925	18,663	45,848	964,261	1,028,773
1926	741	59,903	1,009,814	1,070,458
1927	22,000	77,201	1,127,460	1,226,661
1928	105,469	57,226	1,149,391	1,312,086
1929	673,185	74,968	1,213,521	1,961,674

For years prior to 1912 see School Report of 1917.

TABLE 7—POPULATION AND SCHOOL CENSUS
FOR SCHOOL YEAR 1928-1929

1842 . . . 1,013	1903 . . . 67,500	1917 . . . 93,000
1850 . . . 3,540	1905 . . . 69,272	1918 . . . 91,000
1860 . . . 8,025	1906 . . . 70,875	1919 . . . 91,500
1865 . . . 9,366	1907 . . . 72,000	1920 . . . 93,033
1870 . . . 14,693	1908 . . . 75,500	1921 . . . 94,500
1875 . . . 21,594	1909 . . . 75,500	1922 . . . 98,000
1880 . . . 24,985	1910 . . . 77,236	1923 . . . 99,000
1885 . . . 29,992	1911 . . . 78,000	1924 . . . 100,440
1890 . . . 40,117	1912 . . . 80,000	1925 . . . 99,032
1895 . . . 52,200	1913 . . . 81,000	1926 . . . 101,000
1900 . . . 61,643	1914 . . . 85,000	1927 . . . 102,000
1901 . . . 63,000	1915 . . . 86,854	1928 . . . 104,000
1902 . . . 65,273	1916 . . . 88,000	1929 . . . 105,000

School Census

Number of children between 5 and 15 years of age, inclusive, October 1, 1929	18,380
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School Registration

Number of children between 5 and 15 years of age, inclusive, October 1, 1929:—	
In public schools	13,989
In private schools	4,175
Total	18,164
Number of compulsory school age, 7 to 13 inclusive:—	
In public schools, males	4,619
females	4,573
	<hr/> 9,192
In private schools, males	1,453
females	1,475
	<hr/> 3,928
Total	<hr/> 12,120

**Table 8.—Attendance of the Public Schools for the School Year
1928-1929**

SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in October.	No. Attending in June.
High	2,430	2,215	2,047	92.4	2,354	2,125
Northeastern Jr. High	1,551	1,495	1,397	93.4	1,512	1,445
Southern Jr. High	1,364	1,262	1,171	93.6	1,298	1,174
Western Jr. High	1,213	1,148	1,079	93.9	1,172	1,105
Boys' Vocational	167	139	133	95.8	152	116
Prescott	753	683	641	93.8	657	631
Hanscom	482	430	397	92.1	433	419
Bennett	515	467	441	94.4	476	459
Baxter	222	162	152	93.8	193	185
Knapp	455	417	395	94.7	405	426
Perry	285	247	227	91.9	260	237
Pope	520	465	436	93.7	466	462
Cummings	190	162	150	92.8	175	157
Edgerly	155	145	136	92.9	146	127
Glines	759	684	636	92.9	660	688
Forster	627	559	519	92.9	559	553
Bingham	807	725	668	92.1	742	704
Carr	569	530	501	94.6	533	598
Morse	481	453	421	92.9	456	376
Proctor	291	277	257	92.8	269	289
Durell	166	154	143	93.4	160	150
Burns	280	254	235	92.6	254	238
Brown	405	384	360	93.8	387	384
Highland	371	332	311	95.1	238	325
Cutler	1,190	1,015	928	91.4	1,020	974
Lincoln	170	143	135	94.1	153	138
Lowe	338	292	269	92.0	297	302
Atypical	76	98	89	89.4	75	76
Sight Saving	14	14	13	96.1	14	14
Continuation	237	170	148	87.2	118	102
Total	17,083	15,521	14,435	93.0	15,734	14,979
Total for 1927-28	16,807	15,190	14,232	93.1	15,344	14,923

Table 9.—Statistics of High School for School Year

September 19, 1928 to June 28, 1929

Number of Teachers, including Head Master	89
Number of days school kept	175
Number enrolled	2430
Average number belonging	2215.1
Average daily attendance	2046.7
Tardinesses	8628
Dismissals	222
In Class 1931, September	984
June	846
Per cent. of loss	14.2
In Class 1930, September	720
June	643
Per cent. of loss	10.7
In Class 1929, September	623
June	615
Per cent. of loss	1.3
Special students, September	27
June	21
Per cent. of loss	22.2
Total, September	2354
June	2125
Per cent. of loss	9.7
Number of graduates, male	284
Number of graduates, female	322
Total	606
Average age, male graduates	18 yrs. 5 mos.
Average age, female graduates	18 yrs. 2 mos.
Number of graduates entering college	87
Number of graduates entering scientific schools	25
Number of graduates entering normal schools	31
Cost of instruction	\$205,906.25
Cost of supplies	15,481.97
Total	221,388.22
Per capita cost of instruction	92.96
Per capita cost of supplies	6.99
Total cost per capita	99.95

Table 10—Pupils By Grades, June, 1929

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Never in First Grade Before
		Men.	Women.		Boys.	Girls.	Total.	
			Regular.	Assistants.				
High	Special				10	11	21	1,480
	Twelfth				290	325	615	
	Eleventh				294	349	643	
	Tenth				419	427	846	
	Total	23	63	2	1,013	1,112	2,125	
Junior High	Ninth				559	628	1,187	
	Eighth				586	563	1,149	
	Seventh				719	669	1,388	
	Total	21	106		1,864	1,860	3,724	
Elementary	Sixth		35		648	656	1,304	
	Fifth		35		653	658	1,311	
	Fourth		35		693	672	1,365	
	Third		35	1	722	712	1,434	
	Second		38	2	695	656	1,351	
	First		38	2	755	693	1,448	
	Total	8	216	5	4,166	4,047	8,213	
Kindergarten			9	7	316	293	609	
	Special	4	10					
	Sight Saving		1		6	8	14	
	Cadets	2	18					
	Atypical		7		45	31	76	
	Boys' Vocational	10			116		116	
	Independent							
	Household Arts		1					
	Continuation	2	1		60	42	102	
	Americanization		1	1				
	Grand Total	70	433	15	7,586	7,393	14,979	

Table 11—Pupils in High, Junior High, Elementary, Vocational and Continuation Schools, 1928-1929

	High School	Junior High Schools	Elementary Schools	Kinder-gartens	Vocational School for Boys	Atypical Schools	Sight Saving Class	Continuation School	Total
Annual enrollment	2430	4128	9300	731	167	76	14	237	17,083
Average membership	2215	3905	8341	639	139	98	14	170	15,521
Average attendance	2047	3647	7791	567	133	89	13	148	14,435
Per cent. of attendance.....	92.4	93.8	93.4	89.0	95.8	89.4	96.1	87.2	93.0
Number cases of tardiness	8628	2465	4755	119	335	218	15	91	16,626
Number cases of dismissal	222	1479	1832	3	84	27	.....	17	3,664
Membership, October, 1928	2354	3982	8459	580	152	75	14	118	15,734
Membership, June, 1929	2125	3724	8213	609	116	76	14	102	14,979
No. cases corp. punishment.....	.....	.....	42	.....	.....	.....	.....	.....	42

Table 12.—Number of Pupils Admitted to Grade 1 in September

SCHOOL.	1924	1925	1926	1927	1928
Prescott	75	74	83	101	79
Hanscom.....	83	94	60	77	72
Bennett.....	80	67	75	60	84
Baxter	41	40	35	31	40
Knapp	45	49	44	45	44
Perry	33	54	56	45	49
Pope	77	66	80	72	76
Cummings.....	42	42	44	37	45
Edgerly	38	47	65	56	37
Glines.....	100	90	76	96	167
Forster.....	64	63	98	69	75
Bingham	112	97	128	98	121
Carr	72	76	84	36	52
Morse.....	88	74	76	80	69
Proctor.....	41	39	29	37	36
Durell.....	40	34	38	33	42
Burns	84	80	80	84	60
Brown	54	61	58	57	58
Cutler.....	129	129	148	148	149
Lincoln	47	46	60	40	48
Lowe.....	66	71	77	56	77
Total.....	1,411	1,393	1,494	1,358	1,480

Table 13—Eighth Grade Promotions—Junior High Schools—June 1929

Promotion from the eighth grade to the ninth grade in the Junior High School corresponds to the promotion from the last grade of a grammar school to the High School.

SCHOOL	Number in Class in June	No. Promoted to Grade 9	No. Entering Grade 9	No. Entering Schools Outside City	No. Going to Work	No. Not Located	No. Entering Vocational School	No. Entering Other Junior High Schools in City
Northeastern Jr. High School	465	435	413	6	9	6	0	1
Southern Junior High School..	356	332	303	9	15	0	0	5
Western Junior High School..	352	324	310	5	7	1	1	0
Total	1173	1091	1026	20	31	7	1	6

Table 13A—Ninth Grade Promotions—Junior High Schools—June 1929

Promotion from the ninth grade to the tenth is the promotion from the Junior High School to the Senior High School. The tenth grade corresponds to the second year of a four year High School.

SCHOOL	Number in Class in June	No. Promoted to High School	No. Entering Somerville High School	No. Entering Other Schools, Public or Private	No. Going to Work	No. Not Located	No. Entering Boys' Vocational School	No. Remaining at Home
Northeastern Junior High	457	439	368	16	44	4	2	5
Southern "	384	370	306	11	35	12	6	0
Western "	355	343	309	18	8	2	5	1
Total	1196	1152	983	45	87	18	13	6

Table 14—Comparative Statistics of the Attendance Department for the School Year 1928-1929

	1928	1929	Change
Number of visits to the schools	435	774	+339
Number of visits to the homes	1,319	1,713	+394
Number of cases investigated	1,389	1,778	+389
Number of cases found to be truancy or absenteeism	313	350	+37
Number of different pupils who were truants or habitual absentees	252	276	+24
Number who were truants for the first time	205	232	+27
Number who were truants for the second time	30	27	—3
Number who were truants for three or more times	12	12	0
Number of girls who were truants or absentees	54	45	—9
Number of visits to mercantile or manufacturing establishments	29	49	+20
Number of minors found to be working without employment certificates	35	43	+8
Number of employment certificates issued to boys	461	466	+5
Number of employment certificates re-issued to boys	129	152	+23
Number of employment certificates issued to girls	210	247	+37
Number of employment certificates re-issued to girls	56	96	+40
Number of educational literate certificates issued to minors over 16 years of age (first issue)	2,269	2,616	+347
Number of newspaper licenses issued to boys 12 to 16 years of age	76	79	+3
Number of transfer cards investigated	2,402	2,294	—108
Number of transfer cards forwarded.....	1,266	1,617	+351
Number of truants in the County Training School at the close of the year	6	7	+1
Amount paid for board of truants	\$670 87	\$696 59	+\$25 72

Table 14—(Concluded)—Comparative Statistics of the Attendance
Department for the School Year 1928-1929

Disposition of truancy and habitual absentee cases:—

Warned and returned to school	112
Transferred to other schools	17
Obtained certificates (14 to 16 years)	60
Left school (over 16 years)	31
Removed from city	29
Brought before court and returned to school	6
Brought before court and sent to Training School	8
Sent to Lyman School	3
Sent to Shirley	1
Sent to Society Prevention of Cruelty to Children	1
Sent to Waverly, State Board of Public Welfare	6
Sent to House of Good Shepherd	2

Table 14A—Truancies and Habitual Absenteeism by Ages and Grades

GRADES.	BY AGES.											Total.
	6	7	8	9	10	11	12	13	14	15	Over	
I.....	2	3										5
II.....		1	2	2	1		1					7
III.....			8	2		2						12
IV.....		1		2	5	3		2				13
V.....				3	3	8	2	3				19
VI.....						2	5	7	8	10		32
VII.....							4	21	22	12		59
VIII.....							1	10	17	28	1	57
IX.....								2	13	21	1	37
X.....									5	10	7	22
XI.....											1	1
XII.....												
Voc. 11.....										1		1
Ungraded ..								2	3	2	1	8
Contin't'n ..									1	2		3
Total.....	2	5	10	9	9	15	13	47	69	86	11	276

Table 15—Evening High School—Season 1928-1929

	Male	Female	Total
Enrolled	526	495	1021
Average Membership	307	294	601
Average Attendance	220	207	427
Number of teachers		24	
Number of sessions		58	
Cost of Instruction		\$6,475 70	
Cost of janitor, fuel, light and supplies		1,597 81	
Total cost		\$8,073 51	
Cost per pupil per evening		\$0.231	

Average attendance: October, 577; November, 501; December, 444;
January, 348; February, 330; March, 335.

Table 15A—Evening Elementary School—Season 1928-1929

	Male	Female	Total
Enrolled	98	63	161
Average Membership	57	42	99
Average Attendance	45	34	79
Number of teachers		5	
Number of sessions		76	
Cost of Instruction		\$1,693 27	
Cost of janitor, fuel, light and supplies		1,643 03	
Total Cost		\$3,336 30	
Cost per pupil per evening		\$0.443	

Table 15B—Evening Vocational Classes—Season 1928-1929

	Women
Enrolled	82
Average Membership	47
Average Attendance	37
Number of teachers	4
Number of sessions	39
Cost of Instruction	\$707 32
Cost of janitors, fuel, light and supplies	188 67
Total expenditure	\$895 99
Income from sources other than local taxation	
Net expenditure	895 99
Reimbursement from State	445 14
Net cost	450 85
Net cost per pupil per evening	0.246

Table 15C—Americanization Classes—season 1928-1929

	Male	Female	Total
Enrolled	213	240	453
Average Membership	160	178	338
Average Attendance	128	142	270
Number of classes		27	
Number of teachers		15	
Number of sessions		70	
Membership hours		47,320	
Cost of Instruction		\$6,039 68	
Cost of supplies		113 57	
Total cost		\$6,153 25	
Reimbursement from the State		3,076 62	
Net cost		\$3,076 63	
Net cost per membership hour		\$0.065	

Table 16—Promotions from Elementary to Junior High Schools

	1924	1925	1926	1927	1928	1929
Prescott	.....	178	199	181	197	169
Bennett	.....	4	4	31	41	34
Knapp	161	177	202	161	176	144
Pope	88	91	84	84	84	81
Edgerly	189	.....	.....	.....	.....	.....
Glines	95	82	95	76	81	77
Forster	40	41	65	69	76	92
Bingham	87	90	84	93	89	82
Carr	138	136	134	126	127	138
Morse	68	54	66	62	67	68
Proctor	59	55	51	58	46	59
Brown	44	43	40	67	67	60
Highland	129	112	136	126	163	115
Cutler	146	161	166	168	178	172
Total	1244	1224	1326	1302	1392	1291
Average Membership of Elementary Schools	8878	8766	8504	8358	9039	9092
Per cent of Average Membership Promoted	14.02	13.96	15.6	15.58	15.4	14.2

Table 17. — Attendance Statistics.

FOR A SERIES OF YEARS.

JUNE	ENROLLMENT	Average Membership	Average Attendance	Per cent. of Attendance	Number of Tardinesses	Ratio of Tardiness to Average Attendance
1912	13,272	11,710	11,083	94.6	6,307	0.569
1913	13,491	11,903	11,216	94.2	7,354	0.655
1914	13,932	12,320	11,610	94.2	7,380	0.635
1915	14,505	12,903	12,189	94.5	8,000	0.656
1916	14,647	13,191	12,323	93.4	9,373	0.761
1917	13,967	12,770	11,933	93.7	7,325	0.613
1918	14,256	12,656	11,798	93.2	8,970	0.760
1919	14,039	12,733	11,609	91.2	9,744	0.839
1920	14,091	12,836	11,807	91.9	11,628	0.993
1921	14,500	13,396	12,533	93.6	11,337	0.904
1922	15,225	14,004	13,160	94.0	11,620	0.883
1923	15,932	14,308	13,276	92.8	13,164	0.991
1924	16,092	14,554	13,647	93.8	12,528	0.918
1925	16,262	14,699	13,691	93.1	11,814	0.863
1926	16,687	15,042	14,074	93.6	12,256	0.871
1927	16,669	15,042	14,094	93.7	12,526	0.888
1928	16,807	15,190	14,232	93.1	15,160	1.065
1929	17,083	15,521	14,435	93.0	16,626	1.152

Table 18. — Membership, Etc., of High School.

FOR A SERIES OF YEARS.

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1912	11,710	2,023	17.28	296	2.53
1913	11,903	2,081	17.48	296	2.48
1914	11,610	2,111	18.18	273	2.35
1915	12,903	2,258	17.50	311	2.41
1916	13,191	2,288	17.35	348	2.64
1917	12,770	1,973	15.45	340	2.66
1918	12,656	1,520	12.01	332	2.62
1919	12,733	1,854	14.56	310	2.43
1920	12,836	1,714	13.35	241	1.87
1921	13,396	1,762	13.15	316	2.36
1922	14,004	2,037	14.55	613	4.38
1923	14,308	2,061	14.40	419	2.93
1924	14,554	2,104	14.45	497	3.41
1925	14,699	2,229	15.16	524	3.56
1926	15,042	2,230	14.82	524	3.48
1927	15,042	2,318	15.41	521	3.46
1928	15,190	2,356	15.51	513	3.38
1929	15,521	2,430	15.66	606	3.90

For years prior to 1912 see School Report of 1917.

Table 19—Promotions for School Year Ending June 28, 1929

Junior High Schools

GRADE.	On June Promotion List	Unconditionally Promoted to Next Grade	Promoted on Trial	Retarded	Promoted more than One Grade	Special Promo- tions during Year	Promotees Dropped Back after Two Months' Trial
I	1,409	1,280	66	62	1	0	0
II	1,168	1,018	95	55	0	0	0
III	1,198	1,121	36	41	0	0	0
Total.....	3,775	3,419	197	158	1	0	0

Percentage of Promotions for School Year Ending June 28, 1929

Junior High Schools

GRADE.	On June Promotion List	Unconditionally Promoted to Next Grade	Promoted on Trial	Retarded	Promoted more than One Grade	Special Promo- tions during Year	Promotees Dropped Back after Two Months' Trial
I	100	90.8	4.7	4.4	.1		
II	100	87.	8.	5.			
III	100	93.6	3.	3.4			
Average	100	90.6	5.2	4.2	.02		

Table 19A—Promotions for School Year Ending June 28, 1929

Elementary Grades

GRADE.	On June Promotion List.	Unconditionally Promoted to next Grade.	Promoted on Trial.	Retarded.	Promoted more than One Grade.	Special Promo- tions during Year.	Promotees Dropped Back after Two Months' Trial
I	1,499	1,275	58	162	4	4	3
II	1,380	1,190	89	97	4	9	3
III	1,457	1,268	89	83	17	10	3
IV	1,384	1,183	117	64	20	6	1
V	1,323	1,147	129	40	7	16	1
VI	1,325	1,202	89	26	8	11	
Total.....	8,368	7,265	571	472	60	56	16

Percentage of Promotions for School Year Ending June 28, 1929

Elementary Grades

GRADE.	On June Promotion List.	Unconditionally Promoted to next Grade.	Promoted on Trial	Retarded.	Promoted more than One Grade.	Special Promo- tions during Year.	Promotees Dropped Back after Two Months' Trial
I	100	85.0	4.0	10.8	.2	.2	.2
II	100	86.0	6.4	7.1	.3	.7	.6
III	100	87.3	6.0	5.7	1.0	.7	.2
IV	100	85.5	8.5	4.6	1.4	.4	.1
V	100	86.7	9.8	3.0	.5	1.2	.1
VI	100	90.7	6.7	2.0	.6	.8	
Average...	100	86.9	6.8	5.6	.7	.5	.2

Table 20—RESIGNATION OF TEACHERS IN 1929

School	Teacher	Took Effect	In Service
High	A. Laura Batt	† June 30, 1929	34 yrs.
High	Gertrude Chapin	June 30, 1929	3 yrs., 6 mos.
High	Agnes Gordon	June 30, 1929	3 yrs., 9 mos.
High	Cornelia Pratt	June 30, 1929	11 yrs.
Northeastern Junior	James S. Thistle	June 30, 1929	10 yrs., 3 mos.
Northeastern Junior	May B. Thompson	June 30, 1929	11 yrs., 5 mos.
Southern Junior	Helen C. Parker	June 30, 1929	6 yrs.
Western Junior	Madeleine F. Tremblay	March, 1929	5 yrs., 7 mos.
Prescott	Elizabeth L. Marvin	† December, 1929	31 yrs., 3 mos.
Prescott	Edith C. Polechio	December, 1929	7 yrs., 3 mos.
Hanscom	Elizabeth J. Baker	June 30, 1929	19 yrs., 5 mos.
Hanscom	Margaret F. Carney	June 30, 1929	1 yr., 6 mos.
Knapp	John S. Emerson	* June 9, 1929	35 yrs., 3 mos.
Pope	Mary E. Keefe	April, 1929	6 yrs., 8 mos.
Forster	Elizabeth F. Clement	† February, 1929	44 yrs., 6 mos.
Forster	Grace Shorey	* May 13, 1929	36 yrs., 8 mos.
Proctor	Nora F. Byard	* June 10, 1929	45 yrs.
Brown	Annie Sanburn	† June 30, 1929	23 yrs.
Burns	Annie L. Brown	† June 30, 1929	44 yrs., 6 mos.
Cutler	Edith F. Harding	June 30, 1929	2 yrs., 5 mos.
Cutler	Mabel T. Totman	† June 30, 1929	36 yrs., 6 mos.
Lincoln	Eliza H. Lunt	† December 31, 1929	40 yrs., 4 mos.
Lincoln	Lillian M. Wentworth	† June 30, 1929	30 yrs.
Cadet teacher	Ruth E. Slotnick	February, 1929	1 yr., 5 mos.

* Died. † Retired.

TABLE 21.—TEACHERS ELECTED IN 1929

School	Teacher	Coming From	Salary	Service Began
High	Elizabeth Guarnaccia	Wakefield	\$1,850	September, 1929
High	Robert McKelvey	Somerville	1,400	September, 1929
High	Bernard R. Moulton	Somerville	1,700	September, 1929
High	E. Bradford Nichols	Not teaching	1,800	September, 1929
High	Frederick W. Prechtel	Somerville	2,000	September, 1929
High	Francis X. Rooney	Boston	1,800	September, 1929
High	John J. StAngelo	Somerville	1,700	September, 1929
High	William F. Sheridan	Arlington	1,600	September, 1929
High	Margaret F. Snell	Somerville	1,300	September, 1929
High	Agnes F. Viano	Somerville	1,300	September, 1929
High	Mary G. Callahan, Matron	.....	1,700	December, 1929
High	Christine T. Hunkins	Somerville	1,700	December, 1929
Northeastern Junior	Joseph E. Beaver	Somerville	1,700	September, 1929
Northeastern Junior	Walter F. Busam	Somerville	1,800	September, 1929
Northeastern Junior	Mary F. Downey	Somerville	1,400	September, 1929
Northeastern Junior	Harriet H. Hawes	Somerville	1,300	September, 1929
Northeastern Junior	John J. Norton	Newton	3,000	September, 1929
Northeastern Junior	Edith G. Wilkins	Somerville	1,300	December, 1929
Southern Junior	Dorothy M. Cragin	Somerville	1,300	September, 1929
Southern Junior	Albert E. Giroux	Somerville	1,300	December, 1929
Southern Junior	Mara Portesi	Somerville	1,200	December, 1929
Western Junior	Frances Bullen	Somerville	1,300	September, 1929
Western Junior	Michael Dewire	Somerville	1,800	September, 1929
Western Junior	Rose Felt	Somerville	1,300	September, 1929
Western Junior	rene Gottholm	Somerville	1,300	September, 1929
Western Junior	Dorothy Price	Somerville	1,300	September, 1929
Boys' Vocational	James A. Kelly	Somerville	2,000	September, 1929

TABLE 21.—(Concluded) TEACHERS ELECTED IN 1929

School	Teacher	Coming From	Salary	Service Began
Hanscom	Dorothy Holmes	Somerville	1,200	December, 1929
Bennett	Irene Belanger	Somerville	1,200	September, 1929
Bennett	Ethel Peterson	Somerville	1,200	December, 1929
Baxter	Catherine Madden	Somerville	1,200	September, 1929
Knapp	Anne D. Bravo	Somerville	1,700	September, 1929
Pope	Margaret Sullivan	Somerville	1,200	September, 1929
Edgerly	Mary V. Devine	Somerville	1,200	September, 1929
Glines	Anna Dee	Somerville	1,200	November, 1929
Glines	Mary Forrest	Somerville	1,200	December, 1929
Glines	Mary McEachern	Somerville	1,200	December, 1929
Forster	Pauline Scully	Somerville	1,200	Dec. 30, 1929
Bingham	Mary Maguire	Somerville	1,200	September, 1929
Durell	Mary M. Healey	Somerville	1,200	September, 1929
Highland	Margaret Kendall	Somerville	1,200	September, 1929
Atypical	Lillian Cooney	Somerville	1,500	September, 1929
Atypical	Helen J. Dervan	Somerville	1,300	September, 1929
Atypical	Winifred Ford	Somerville	1,200	September, 1929
Continuation	Ruth S. Richmond	Somerville	1,600	September, 1929
Special—sewing	Mary Rhilinger	Somerville	1,200	September, 1929

Table 22—Leave of Absence of Teachers

Clara L. Griffiths, from February to end of school year, 1929; for school year, 1929-1930.

Annie C. Woodward, from September 5 to September 13, 1929.

Eliza I. Patterson, from April 1, 1929, to end of school year, June, 1929.

Bertha M. Morton, from September 1, 1929, for an indefinite period.

Abigail P. Hazelton, for month of September, 1929.

Ernst Hermann, for school year ending June 30, 1930.

Eleanor R. O'Leary, from November 25, 1929, to March 31, 1930.

E. Bradford Nichols, from December, 1929, for rest of school year to June 30, 1930.

Table 23—Transfers of Teachers

Teacher	From	To
Catherine E. Sweeney	Perry	Principalship Baxter, Knapp and Perry
Mary G. Blackwell	Baxter	Assistant to Principal of Knapp school
Sarah E. Murphy	Perry	Assistant Perry school
Sue A. Fitzpatrick	Baxter	Assistant Baxter school
Agnes M. Carven	Northeastern Junior High	
Bernice Coyne	Durell	Glines
Helena Mary Leyden	Glines	Knapp
Winifred I. Macdonald	Knapp	Proctor as assistant
Ethel F. Morang	Proctor	Burns
Gladys Clark	Cutler	Highland
Margaret McLeod	Highland	Cutler
Agnes McElhinney	Glines	Forster
Hazel Leith	Bingham	Proctor

CADETS

1929-1930

Mary A. Ahern	Marjorie Menard
Eileen M. Bailey	Isabelle G. Porter
Mary Brady	Anne C. Sheridan
Alice E. Campbell	Margaret Slincy
Helen R. Haley	Loretta M. Tansey
Patricia Harding	

1929-1931

Mary J. Basile	Flora Gordon
Helen E. Carroll	Muriel J. Jex
Frances C. Chandler	Alice M. Johnson
Isobel M. Cheney	Agatha E. Kelly

Table 24.—Number of Teachers

FOR A SERIES OF YEARS.

YEAR.	High School.	Junior High Schools.	Elementary Schools.	Special Teachers.	Assistants not in Charge of Room.	Contin.	Amer.	Men.	Women	Total.
1912	66†	.....	252*	22	9	.....	.....	40	309	349
1913	68†	.....	257*	28	12	.....	.....	39	326	365
1914	75†	.....	266*	30	20	.....	.....	44	347	391
1915	76†	.....	272*	31	15	.....	.....	45	349	394
1916	77†	.....	290*	30	15	.....	.....	46	366	412
1917	70†	65	258*	33	17	.....	.....	49	374	423
1918	70†	108	207*	28	5	.....	.....	49	369	418
1919	70°	106	207*	26	9	.....	.....	48	370	418
1920	69°	113	212*	23	8	.....	.....	54	371	425
1921	75°	115	216†	25	14	5	2	60	392	452
1922	72†	114	216†	22	16	5	2	57	390	447
1923	75°	120	222†	24	18	4	2	55	410	465
1924	76°	117	221†	24	16	4	2	59	401	460
1925	76'	118	229†	23	16	4	2	59	409	468
1926	75°	118	228-	27	11	3	2	58	406	464
1927	77°	123	233-	30	11	3	1	62	416	478
1928	80°	123	239-	33	10	3	1	64	425	489
1929	88°	125	239-	33	27	3	1	70	446	516

‡ Including a secretary.

* Including four kindergartners.

† Including seven kindergartners.

- Including nine kindergartners.

° Including a secretary and a matron.

TABLE 25—BOOKS AUTHORIZED FOR USE, 1929

For High School

As Text Books:—

Cuore, Edmondo deAmicis—Henry Holt & Co.
 Yesterday and Today, Louis Untermeyer—Harcourt, Brace & Co.
 New Civic Biology, Hunter—American Book Co.
 New Laboratory Problems in Civic Biology (to accompany above).
 New School Chemistry, Bruce—World Book Co.
 Laboratory Manual of High School Chemistry (to accompany above)
 Elementary Italian Grammar, Russo—D. C. Heath & Co.
 La Locandiera, Geddes and Josselyn—D. C. Heath & Co.
 20th Century Touch Typewriting—published by South-Western Pub. Co.

As Reference Books:—

Myths and Their Meaning, Herzberg—Allyn & Bacon.

For High and Junior High Schools

As Text Books:—For use in Household Arts classes,
 Household Science and Arts, Morris—American Book Company.
 Foods, Preparation and Serving, Bailey—Webb Pub. Co.

For Junior High Schools

As Text Books:—

- Bookkeeping and Accounting, First Course, Elwell and Toner —
Ginn & Co.
Elements of Business Training, Brewer and Hurlburt—Ginn & Co.
Everyday Problems in Science, Pieper and Beauchamp—Scott,
Foresman and Co.
Elementary Italian Grammar, Russo—D. C. Heath & Co.
America in the Making, Books I and II, Chadsey, Weinberg and
Miller—D. C. Heath & Co.
The Junior Grammar, Harding—Marshall Jones Co.
The Mastery of English, Book I, Harvey & Allen—J. C. Winston Co.

For Elementary Schools

As Text Books:—

- Good Reading Series, Primer through Sixth Reader, Manley & Gris-
wold—Chas. Scribner's Sons.
The Child's Own Way Series: Wag and Puff Primer; Surprise
Stories, First Reader; New Stories, Second Reader; Best
Stories, Third Reader; Marjorie Hardy—Wheeler Pub. Co.

For Evening High School

As Text Books:—

- Business Arithmetic, Miner, Elwell and Touton—Ginn & Co.

TABLE 26 — HIGH SCHOOL GRADUATION

The graduation exercises of the High School occurred Thursday, June 20, 1929.

ORDER OF EXERCISES

Francis J. Fitzpatrick, Vice-Chairman of the School Committee,
Presiding

1. MARCH—"Coronation" from "The Prophet" Meyerbeer
High School Orchestra, Thurston B. Sumner, Leader
2. PRAYER—Rev. Frank M. Swaffield,
Pastor, West Somerville Baptist Church
3. SELECTION—"Eine Kleine Nachtmusik" Mozart
High School Orchestra
4. CLASS ORATION—"Ideals, the Need of the Day"
Charles L. Quinn
5. SINGING—"The Heavens Are Telling" Beethoven
Graduating Class
6. CLASS POEM—"Whither Away"
Lloyd E. Hawes
7. 'CELLO SOLO—"Hungarian Rhapsody" Popper
Ines M. Arzillo
8. ADDRESS TO GRADUATES—Rev. T. Everett Fairchild,
Assistant to the President of Boston University
9. SELECTION—"Over the Waves" Rosas
High School Orchestra
10. PRESENTATION OF DIPLOMAS TO GIRLS
11. SINGING—"The House by the Side of the Road" Gulesian
Graduating Class
12. PRESENTATION OF DIPLOMAS TO BOYS
13. SINGING—"Class Ode" C. Sumner Spalding
The Graduates
14. MARCH—"Power and Glory" Cobb
High School Orchestra

Singing and Orchestra under the direction of Harry E. Whittemore, Director of Music in the public schools.

SOMERVILLE HIGH SCHOOL

LIST OF GRADUATES

JUNE, 1929

* Graduate with Honor

GIRLS

Eva Marie Albrecht
 Ermina Evelyn Andalini
 *Ines Maphalda Arzillo
 Madeline Rose Atkinson
 Edla Marie Backstrom
 Dorothy Lee Baker
 Mary Frances Bannon
 Ida Alvira Baratta
 Harriette Naomi Barber
 Mary Constance Barbuto
 Ruth Louise Bean
 Edna Lindsay Bennett
 Amy Linnea Bergstrom
 Florence Joyce Blumsack
 Reta Jane Blundell
 Rose Anna Boraks
 Ruth Eleanor Bourke
 Rebecca Mae Bowles
 Erma Newell Bowman
 *Grace May Brattin
 *Harriet Millicent Brazer
 Gwendolyn Breen
 Helen Frances Broderick
 Charlotte Winslow Brodeur
 Jean Elizabeth Brown
 *Alice Cressey Burhart
 Lillian Marguerite Butters
 Lillian Therese Bykowski
 Lydia Calamara
 Sylvia Jeannette Cangiano
 Mary Evelyn Cann
 Beatrice Eleanor Capodilupo
 Elsie Constance Capone
 *Emma Frances Casale
 Helen Rae Caswell
 Mary Agnes Chambers
 Helen Marie Chapman
 Audrey Anna Chittenden
 Thelma Kathleen Choate
 Lillian Mae Clair
 Genevieve Ruth Clark
 Helen Elizabeth Clark
 Virginia Louise Clay
 Anna Rebina Clements
 Anna Frances Coakley
 Gertrude Elizabeth Cochran
 Naomi Josephine Colburn
 Anne Elizabeth Cole
 Gertrude Ann Coleman

Dorothy Antoinette Coll
 Gertrude May Connell
 Eleanor Frances Connors
 *Julia Anna Conway
 Ruth Edna Cram
 Dorothy Ebbett Crane
 Estelle Jeanette Crochetiere
 Barbara Frances Cromwell
 Ellen Aileen Crossman
 Ruth Edith Crowe
 Mary Kathryn Crowley
 Annetta Frances Croy
 Mary Elizabeth Cummings
 Mary Margaret Cunniff
 Dorothy Mae Cunningham
 Thelma Elisabeth Curtin
 Marjorie Jones Curtis
 Eleanor Elizabeth Davidson
 Mary Margaret Davis
 Sirena Rose DeAngelis
 Hazel Theresa DeBay
 Estelle Edith DeOrfano
 Mary Josephine Deroo
 Eleanor Claire DesChamps
 Florence Dias
 *Eleanor Blanch Dickie
 Irma Louise DiGiusto
 Dorothy Rosemary Diozzi
 Elizabeth Josephine DiPesa
 Florence DiSilva
 Honoria Josephine Dolan
 Dorothy Claire Donahue
 Mary Agnes Donahue
 Helen Louise Dondero
 Louise Charlotte Dondero
 Mary Elizabeth Donovan
 Helen Agnes Doris
 Arline Harriet Drake
 Alice Hannah Driscoll
 Elsie Margaret Duggan
 Verona Ellen Durick
 Arline Edwards
 Beatrice Conant Edwards
 *Whipple Lucinda Elswick
 Mildred Mae Emery
 Margaret Alice Engelsen
 Doris Marie Estabrook
 Lillian Mary Farrington
 Sara Feldberg
 Alice Rosealine Finnegan
 Irma Muriel Clyde Fitz

- Elizabeth Florence Flagg
 Margaret Mary Flahive
 Mary Agnes Fleming
 Lottie Ione Flett
 Viola Mae Flint
 Marie Elizabeth Flynn
 Eleanor Mae Foley
 Annie Dorothy Forbes
 Alice Cecelia Fortune
 Clara Frevort
 Dorothy Ella Fuller
 Ruby Pearl Garland
 *Ruth Gilchrist
 Emma Burlingame Givan
 Ethel Orinda Godfrey
 Dorothy Ruth Goff
 *Edith Goldberg
 *Madelaine Goodhue
 Rose Catherine Gorman
 Mary Alice Gradone
 Dorothy Mary Greene
 Katherine Louise Greene
 Alice Mary Guilderson
 Evelyn Gutteridge
 Alice Marie Haley
 Ruth Mabel Haley
 Dorothy Jean Hall
 Eleanor Rollins Hall
 Margaret Elizabeth Hamilton
 Frances Jeannette Hammond
 Sigrid Augusta Victoria Hallgren
 Emma Elizabeth Hardin
 Esther Bernedette Hardin
 Evelyn Alethea Hardy
 Muriel Alexander Hathaway
 Eileen Teresa Hennessy
 Elinore Julia May Higgins
 Dorothy Holmes
 Ruth Winifred Hopkins
 *Gertrude Taylor Hubbard
 Ida Gwendolyn Hudson
 Dorothy Blake Hunter
 Ruth Sutherland Hurd
 *Adelaide Marie Hurder
 Elva Lillian Hutchins
 Edna Isobel Ingraham
 Mary Cunningham Ireland
 Ruth Beatrice Jefferson
 Adelaide Howard Johnson
 Marion Caroline Johnson
 Elma Carr Jones
 Lillian Christine Jones
 Thelma Victoria Jorgensen
 Dora Cecilia Kaspar
 Harriet Sears Kelley
 *Grace Waldron Kelly
 *Hazel Reta Kelly
 *Ruth Baldwin Kelly
 Thelma Fenwick Kelly
 *Ruth Kertzman
 Emma Jean Kidston
 Ruth Mary Kiley
 Marguerite Elizabeth Killory
 Mildred Dorothea Klauer
 Bernice Elizabeth Konig
 Bessie Korenblitt
 Mary Bertha Landry
 Pauline May Lane
 Angela Frances Langone
 Florence Langone
 Mary Louise Lawless
 Margaret Frances Leahy
 Mary Augusta Leary
 Mary Catherine Leary
 Betty Louise LeBaron
 Jessie Louise LeBeau
 Madeleine Pearl Lerner
 *Mary Madelyn Lima
 Frieda Lipkind
 Rose Marie Lodico
 Ruth Isabelle Lord
 Virginia Halton Lord
 Vera Elizabeth Lovering
 Florence Muriel Lowe
 Muriel Ella Lowell
 Catherine Pace Macdonald
 Florence Cecilia MacDonald
 Mary Nicol MacDonald
 Sarah Anna MacDonald
 Inez Margaret Macfarlane
 Elaine MacKinnon
 Margaret Lucinda MacPhail
 Catherine Julia MacQuilken
 *Thelma Alice Magoon
 Ann Catherine Maguire
 Alice Marie Mahoney
 Marion Lenora Mahoney
 Alice Ruth Maloney
 Mary Ellen Malvey
 Mary Elizabeth Marsden
 Elinore Marie Martin
 Margaret Lucille Martin
 Flora Mary Mazzarello
 Eleanor Carolyn McCarthy
 Ethel Louise McCarthy
 *Mary Veronica McCarthy
 Winifred Elizabeth McCulloch
 Williegurline McGhee
 *Ernestine Louise McLean
 Ann Rita McMahon
 Frances Gertrude McNally
 Pauline Grace McNaught
 Catherine Theresa McNeill
 Julia Veronica McNulty

Margaret Teresa McSweeney
 Adelaide Merry
 Evelyn Marshall Miller
 Alice Gertrude Millerick
 Anna Mirabele
 Mary Agnes Monahan
 Barbara Louise Moore
 Emily Louise Moore
 Frances Harriet Morgan
 Georganna Morrison
 Lillian Mortelli
 Marion Elizabeth Mosher
 Cecelia Mabel Murphy
 Margaret Murphy
 Dorothea Marie Myers
 Mary Irene Nash
 Emma Augusta Noyce
 Anna Margaret O'Gorman
 Frances Eileen O'Hea
 Frances Marie O'Shaughnessy
 Lillian Anna Padoll
 Louise Phyllis Paganussi
 Louise Catherine Paladin
 Ruth Dorothea Partington
 Edith Pauline Paulson
 Thelma Mary Perry
 Anna Bengtina Peterson
 Rose Caroline Picard
 Eleanor Elizabeth Prince
 Catherine Theresa Punch
 Eleanor Ray Quigley
 Sylvia Ransom
 Ruth Evelyn Raymond
 Natalie Isabelle Rich
 Ellen Robbins
 Marjorie Elizabeth Robbins
 Loretta Eloria Robinson
 Evelyn Mary Roche
 Mary Rita Ronan
 Esther Rosenthal
 Esther Rosenthal
 Catherine Agnes Ryan
 *Laura Thalia Saporoff
 Michelina Sarno
 Virginia Elizabeth Schofield
 Vera Schwab
 Olive Frances Scott
 Dorothy Hazel Sellers
 Dorothy Geneva Seymour
 Maxine Elizabeth Shaffer
 Gertrude Pauline Sharpe
 Della Gwendolyn Shaw
 Catherine Mary Sherman
 Sophia Sylvia Sherman
 Eleanor Louisa Shiere
 *Lillian Ruth Shippee
 Rose Sigel

Betty Gertrude Sloane
 *Marion Elizabeth Smith
 Mary Margaret Smith
 Doris Helen Spellman
 Margaret Clementine Spering
 Marion Elizabeth Stanley
 Jane Maynard Stewart
 Dorothy Cluston Stirling
 Ruth Elizabeth Strehlis
 Ruth Elaine Strickland
 Ruth Mossman Sullivan
 Anita Sumner
 Eva Alvchild Swanfeldt
 Sylvia Dolores Sylva
 Hazel Victoria Tamlyn
 Charlotte Frances Tanner
 Margaret Phyllis Tarpey
 Elizabeth Marion Taylor
 Phyllis Marie Terhune
 Barbara Ellice Thomas
 Muriel Thomas
 Violet Margaret Elizabeth
 Thompson
 Mildred Agnes Thorne
 Leona Thurbide
 Bertha Elizabeth Tracey
 Mary Elizabeth Traniello
 Marion Virginia Truelson
 Edwina Christina Trundy
 Marion Hazel Tucker
 Elizabeth Frances Tufts
 Ruth Hazel Turner
 Dorothy Calder Valentine
 Mildred Sears Wade
 Annie Waitzkin
 Lucy Evelyn Walgis
 Alice Ellsworth Wall
 Evelyn Catherine Wallace
 *Josephine Jenison Wardrobe
 Evelyn Georgianna Watkins
 Minnie Weinstein
 Gertrude Verna Welch
 Ruth Blanche Wellington
 Dorothy May West
 Marjorie Ruth Whipple
 Siri Ingrid Christine Widestrom
 Mildred Doris Williston
 *Anna Cotton Withington
 Frances Louise Wright
 Anita Harriet Yacubian
 *Doris Wilhelmina Yirovec
 Anna Victoria Zona

BOYS

James Levis Acheson
 Peter Augustus Anderson

- James Sherwood Armstrong
 William Ascolillo
 Malcolm Elmer Austin
 Wesley Houghton Baker
 Alfred Eugene Baratta
 Ettore Charles Baratta
 George Albert Barber
 Robert Henry Barber
 Robert Maitland Beattie
 Charles Elmer Behenna
 Vasken Garabed Berberian
 Richard Searles Berry
 William Edward Bettencourt
 Ralph David Bingham
 Paul Francis Blackmer
 Samuel Blumsack
 George Joseph Blute
 Benton Herbert Bockman
 George Wagner Bollman
 Edward Henry Boudreau
 Gilbert Brenner
 George Wing Briggs
 William Francis Brine
 George Henry Bryant
 Gilbert Buchman
 Peter Michael Bucuvalas
 Everett Bunker
 Norman Ballou Burbank
 Joseph Condon Campbell
 William Warren Campbell
 *Thomas Bradbury Card
 Charles Paul Casassa
 Charles Joseph Casey
 Richard John Cavagnaro
 Edward Charles Chamberland
 John Robert Christian
 *John Willard Clarke
 James McGregor Clement
 Donald Porter Cochrane
 Daniel Joseph Cole
 George William Coleman
 Robert Hastings Collier
 Henry Stephen Collins
 John Joseph Connors
 William Joseph Coughlan
 Walter Joseph Counihan
 Cecil Dartt Creelman
 David Joseph Cremins
 David Crowley
 Richard Carvell Currie
 Daniel Augustus Daley
 James Henry Dalton
 *Warren Sidney Daniels
 Vinal Lenfest DeGrasse
 Clement Gladstone Diamond
 Anthony DiCicco
 Giordano Bruno DiCicco
 Harold Alexander Dickie
 Ray Charles Dion
 Cosmo DiSilva
 William Diskin
 Levi Morton Dolloff, Jr.
 Edward John Donegan
 Guy Walter Donnaruma
 John Joseph Donovan
 William Leo Doyle
 Charles Nathan Dresser
 Carmelo Henry Duca
 Maurice Murray Duchin
 John Harold Dugan
 John Joseph Duggan, Jr.
 George Edward Durgin
 James Thomas Eddy, Jr.
 Russell Gordon Edwards
 Carl Oscar Engstrom
 Richard Clement Fannon
 Fred Arthur Finigan
 John William Flanagan
 James Edmund Flynn
 Paul Carter Folsom
 *Robert Forbes
 Arthur Perry Freeman
 Paul Wendell Fuchs
 *Walter Stephen Galazzi
 Russell Francis Gaudet
 Aldo Frank Ghiloni
 Charles Gibb, Jr.
 John Howard Gill
 Louis John Gillespie, Jr.
 Leonard Gilman
 John Victor Goduti
 Richard Julius Goduti
 Ernest Leo Goguen
 Henry Benedict Goldstein
 Clyde Mills Goldthwait
 John Lemuel Good
 Peter Aaron Goolkasian
 Eugene Noble Foss Gorrill
 John Clarke Grady
 Arthur William Graham, Jr.
 Robert Thompson Graham
 John Joseph Greeley, Jr.
 Arthur Leland Greene
 Albert Edward Hall
 Frederick Stevens Hall
 James Francis Hall
 Ralph Martin Hall
 Henry Joseph Harding, Jr.
 Carl Lawrence Hatchell
 *Lloyd Elmer Barnes Hawes
 John Joseph Hayes, Jr.
 John Francis Heafey
 William von Hein
 Carl Heinrich

Norman Horace Hill	Edward Thomas Monahan
Richard Thurlow Hodgdon	Wesley Anthony Moran
Fred Giles Hogan	Leslie Owens Moriarty
Lester Robert Holland	Ralph Attilio Mortelli
William Joseph Holmes	*Peter William Mortsell
Allen John Hopkins	Joseph James Murley
William James Hopkins	Carney Martin Nahigian
Joseph Paul Hussar	Morris Nissenbaum
Frank Ensley Hutchinson, Jr.	James Joseph Noonan
William Warren Ingalls	Robert Alfred Noyce
Byron Clifford Johnson	Donald James Noyes
Fred Thomas Johnson	Marston Cogswell Noyes
Silas Newton Johnston, Jr.	John Francis O'Brien
George Thomas Jones	Joseph Charles Paes
Randolph Leo Kazazian	Anthony Palmer
Edmund Joseph Keane, Jr.	Vincent Francis Paula
Herman John Kelter	Marius Pellegrini
Paul John Kenney	Walter Francis Pelton
Frederick Warren Keppe	Robert Leslie Peoples
Alfred Harris King	Edwin James Peterson
Waldo Carl Kullberg	Warren Preston Peterson
Henry Forbes Laurie	Elbridge Albert Pickard
Thomas Arthur Leverone	Harry Joseph Porter
Marshall Leonard Levy	Maurice Povza
Richard MacKay Locke	Raymond Stanley Proudfoot
Edward Leslie Lockman, Jr.	*Pierce Francis Quinlan, Jr.
William Henry Long	*Charles Leo Quinn
Lewis Aubrey Lord	Francis Paul Quinn
Alfred Philip Luppi	John Rae, Jr.
Arnold Philip Lynch	Thomas Henry Ramsey
Jeremiah Joseph Lynch, Jr.	Nicholas Ranaghan
John Joseph Lynch	William Ranaghan
James Andrews MacInnis, Jr.	Roswell Wetherbee Raymond
John Francis Mack	Joseph Charles Re
Frederick Morgan Magee	Edmund Leo Reardon
Joseph Alexander Magill	John Joseph Reardon
John Joseph Malsbenden	John Albert Reynolds, Jr.
Willis Herbert March	William Alexander Riccio
Henry Matthew Marmaud	Albert James Rice
Alessandro Luigi Marroni	Charles James Richardson
Nelson Maskell	John Dumas Riley
Roger Peel Maskell	Robert Raymond Roberts
William Donald Maxwell	*Bernard Robinson
Robert Gilbert McAnern	Edmund Roscoe Robinson
Charles William McCarthy	Stanley Harding Robinson
Timothy Joseph McCauley	Henry Edmund Robitaille
Edward Charles McDonough	Alfred Louis Rogers, Jr.
Edward Joseph McDonough	Raymond Franklin Rogers
Thomas Leo McGahan	John Anthony Rondina, Jr.
John Augustus McInerney	Edwin John Runey
James Theodore McMahon	James Patrick Ryan
John Andrew McNamara	Walter Albert Sanford
John Jeremiah McNamara	James Joseph Santos
John Joseph McSweeney	Suran Nathan Santurjian
John Andrews Medland	*Mischa Saparoff
Robert Ransom Miller	Ernest Alexander Sawyer, Jr.
Stanley Gardner Miller	Francis Xavier Scanlan

Highley David Schworm	Nicholas James Testa
Harold Stanley Seader	Frank Foster Thomas
Harold Milton Shaw, Jr.	Eugene Ralph Tomlinson
Warren Robert Shepherd	Graydon Elliot Toothaker
Arthur Anthony Silva	Wallace Lamson Townsend
Antonio Rudolph Silvestri	Chester Erwin Tracy, Jr.
Kenneth Leland Simpson	Harry Mercer Tracy
Earl Randolph Sinclair	Paul Vincent Traverse
Wallace Everett Sinclair	Romeo Joseph Trubiano
Donald Alrich Smart	Elliott Perry Truesdell
Thomas Edward Smith	Walter Bettencourt Trundy
*Charles Sumner Spalding	George Meyer Vallender
Joseph Anthony Spolidoro	Frank VanUmmersen, Jr.
David Hillman Sprague	Austin Ayer Varney
Charles Edgar Standish, Jr.	Victor Frank Veneri
Howard Moore Stern	George Edward Watson
George Edward Stevenson, Jr.	Fred Harold Welch
Daniel Joseph Sullivan	Donald Albert Whitcomb
Fred Eugene Sullivan	Roger Downing Whittemore
James Thomas Sullivan	Ernest Francis Wilcomb
John Lawrence Sullivan	William Francis Wills
Thurston Bradford Sumner	Earle Myron Wilson
George Joseph Sussenberger	John Thomas Woodworth
Marcus Cain Swan	Harold Charles Wybert
Paul Frederick Sweeney	Russell Vincent Young
Alvaro Sylvia	Richard Edmund Younker
Samuel Leonard Taitelbaum	James Zissis
Wilfred Bemis Tarbox	Nordo Paul Zuffante
Vasken Abraham Tashjian	

Junior High School Graduations occurred in the school buildings on June 25, 1929.

LIST OF GRADUATES

Northeastern

GIRLS

Mary C. Adams	Ruth A. Crapon
Mary Eleanor Aherne	Alma Frances Cream
Lena C. Albanese	Elizabeth Grace Crimmins
Mary Love Gray Allan	Bernice Imogene Crossman
Gertrude M. Amero	Helen E. Crowell
Margaret V. Anastasi	Lillian Agnas Curran
Edna Catherine Ardito	Ruth Esther Czar
Dorothy Madeline Atkins	Mary Veronica Dalton
Lillian Edna Ayer	Marie C. Daniels
Bruna Anna Battaglioli	Nora Daniels
Eleanor R. Beal	Ethel Harriet Darling
Margaret Bellomo	Anna M. DeAngelis
Rena M. Bertolucci	Mary C. DeFuria
Marjorie Ella Black	Audrey B. DeLong
Blanche Bernice Blackadar	Dorothy E. DeLorme
Mary Elizebeth Bonanno	Jeanette DeLuca
Alzira Sarah Boni	Alice Elizabeth Dennison
Margaret Gertrude Boudwin	Josephine Mary DeSimone
Rose Ameila Bowman	Adeline Rose Devine
Hazel Louise Brooks	Belinda M. DiEoreo
Rose Catherine Brophy	Theresa Helen DiEoreo
Irene A. Brown	Jennie DiPanfilo
Helene D. Bruun	Theresa M. DiRusso
Julia Marie Buckley	Rose Domenick
Ruth F. Burbridge	Phyllis E. Down
Ada Louise Burlamachi	Evelyn Marguerite Doyle
Alice Elizabeth Burns	Margaret A. Dunn
Edith G. Callahan	Pearl Louise Edwards
Mildred Clara Callbeck	Isabel Letitia Elliott
Irene Adelaide Campbell	Carrie Evelyn Emery
Marion J. Campbell	Helen E. Emery
Josephine Candilieri	Anna Josephine Farren
Janet G. Cannon	Anna Marie Farren
Frances M. Carey	Lillian Rose Flint
Thelma G. Carter	Katherine Ann Foley
Norma Frances Channell	Dorothy Theresa Fonseca
Elvira R. Chiesa	Josephine Barbara Friel
Catherine Vera Christian	Margaret Frances Frizzell
Dorothy Nellie Chute	Dorothy M. Fyler
Gladys H. Clarke	Julia Garcia
Bertha C. F. Cohen	Barbara Winifred Gates
Theresa L. Cole	Virginia Marie Gianetta
Frances E. Conley	Madeline M. Gianetti
Carolyn B. Connolly	Edna Marion Glines
Irene Catherine Corcoran	Eva Gorton
Lucy Corricelli	Virginia Ruth Gostanian
Anita M. Corrieri	Gwendolyn Irene Gourley
Julia Frances Coyne	Mary J. Greeley
	Doris Isabel Griffith
	Nicoletta Italia Grillo

Anna F. Groombridge	Doris A. Maxwell
Catherine Lorraine Hale	Veronica Rose McDermott
Pauline Edna Hale	Mary M. McElwain
Lillian Mary Halloran	Marie O. McKay
Gertrude Lillian Hancock	Ruth Veronica McKenzie
Helen Edna Harlow	Anna Mary Mina
Kathryn Elizabeth Hayes	Nona J. L. Mitchell
Alice Brooks Healey	Natalina Mary Moriconi
Anna Gertrude Healey	Sophie P. Norwicka
Marguerite Herman	Frances Theresa Mucci
Catherine Mary Hogan	Elinor T. Murphy
Elizabeth Theresa Holland	Mary Margaret Nelo
Mildred Hoole	Catherine G. Newhall
Bernice Horsford	Marguerite D. Nickerson
Thelma Lillian Howard	Doris Ann Normandy
Laura Eleanor Hoyt	Frances H. Nunziato
Hazel Blanche Hunter	Mary Ann Nunziato
Margaret Mary Iacopucci	Mary Ellen O'Brien
Merna Pearl Ivester	Wilma Marie Oelfke
Victoria M. Janjigian	Catherine Alice O'Gorman
Annette Jervis	Elizabeth Ann O'Leary
LaSalle P. Jodice	Mary Elizabeth O'Leary
Edna Mae Johnson	Theresa Oliva
Florence Madelene Johnson	Dorothy Lorraine Oram
Marion Estelle Johnston	Ruth M. Paré
Annie Irene Jones	Ella Evelyn Passatempo
Dorothy May Jones	Edna Evelyn Paton
Martha P. Jones	Blanche Mary Peak
Phyllis P. Jones	Mary Hester Pelham
Kathleen Marguerite Kelley	Barbara H. Perkins
Helen Elizabeth Kelly	Gladys Lillian Phillips
Janet Mary Kempton	Lillian Louise Phinney
Myrtle M. Kinckle	Margaret M. Piemonte
Elizabeth C. Konig	Eileen Mary Pierce
Mary LaFauci	Laurette A. Plante
Thelma M. Langone	Concetta Pollino
Lela Pearl Laurendeau	Rosalie L. Poloian
Gertrude Lawless	Miriam Blanche Prescott
Eleanor Rita Leary	Dorothy Evelyn Quinlan
Louise T. LeBeau	Grace Mary Quinn
Edna Irene Leonard	Minnie Rita Ragusa
Mary Elizabeth LeSage	Helen May Ramsdell
Reita V. Leslie	Marion Reardon
Dorothy F. Linehan	Rosamond P. Rieser
Susan D. Lombardi	Edna Marie Rogde
Edith Helen Longo	Margaret Hayes Rogers
Louise Lorenzoni	Dorothy Elizabeth Roscoe
Louise Ernestine Lydstone	Anna Josephine Ruck
Norma H. MacAdams	Yolanda M. Russo
Elizabeth Margueritte MacLennan	Florence Ryan
Anna A. MacQuilken	Rosina Mary Sacco
Lillian Beatrice Mallett	Sybil Frances Sanderman
Alice Davis Maloney	Julia Saparoff
Josephine Mandracckia	Matilda Sarno
Blanche S. Mates	Matilda Rita Sarno
Josephine F. Mattatall	Edna M. Schumacher
Theresa Mary Mattola	Tova Florence Schwartz

Emily A. Scott
 Rose Marie Seretto
 Cabiria Sgrignoli
 Agnes V. Shea
 Anna Louise Shea
 Dorothy Rita Sheehy
 Genevieve E. Sinclair
 Rita Maurie Smith
 Thelma Louise Smith
 Pierina Spagnolo
 Marion L. Standish
 Ruth A. Stevens
 Beatrice Strong
 Elsabee Elizabeth Sturrock
 Catherine M. Sullivan
 Fairlie Sutherland
 Margaret Rita Sweeney
 Mary Catherine Sweeney
 Ann Marguerite Swett
 Gladys M. Taillon
 Ethel Frances Taylor
 Alice Gertrude Tewhill
 Florence M. Thebedo
 Agnes M. Thurber
 Celia C. Tirella
 Lillian Marie Tremblay
 Phyllis Mary Trodella
 Frances Evelyn Venuti
 Doris Ethelyn Wagner
 Gertrude Louise Wallace
 Marie E. Wentzell
 Dulcie J. White
 Grace M. Whitman
 Lillian E. Woodside
 Mary F. York
 Matilda Louise Zanoni

BOYS

Edward L. Andersen
 Harold J. Andersen
 Edward James Ash
 Paul Bradford Bain
 Frederick Edward Bickford
 Alphonse L. Bilodeau
 Arnold Charles Black
 Richard Randolph Black
 Francis Walsh Brisbois
 Claude J. Bromley
 Ronald St. Clair Brooks
 Frederick Stephen Burbridge
 Candedo Joseph Caizzi
 Kenneth D. Calder
 Ralph Leonard Cameron
 Vincent Campelia
 Antonio B. Capone

Albert Cardolino
 Joseph Carney
 Roger Ludwig Carpenter
 William E. Cecconi
 Joseph Cholfin
 Dante Ciampa
 Patrick M. Ciampa
 Kenneth Grover Coffin
 Mortimer Compton
 Thomas Joseph Connolly
 Adolph J. Corricelli
 George Joseph Coulombe
 Harry D. Crapon
 Fred E. Crowell
 David L. Dedrick
 Donald A. Delany
 Edward C. DeMone
 Peter DiPirro
 John P. Doherty
 Harold B. Donahue
 John Edward Duggan
 Thomas Charles Duggan
 John Winfield East
 John M. Raymond Eastwood
 Alton Eccles
 John Abbott Elliott
 Antonio S. Erbetta
 James F. Ernst
 Karl Ernst
 Edward Russell Fairbanks
 Edward J. Faulkner
 James Fay
 Joseph S. Ferrara
 Erasmo Filosi
 William Thomas Finnegan
 Frederick A. Fiske
 Carl Francis Fitz
 Warren F. Gagnon
 Wesley T. Gardner
 James Arthur Garland
 Bernard M. Gaudet
 Fred Gilbert
 George Waldon Gordon
 Morris Gorfine
 Joseph L. Gormley
 Eugene G. Gore
 Abraham A. Grossman
 Frederick A. Haley
 Vincent Joseph Haley
 Gordon J. Hannaford
 Charles E. Harkins
 George H. Harrington
 Robert Francis Hayes
 Fred Heinrich
 James M. Highet
 Warren E. Holland
 Arthur L. Hubert

Ewen Hume	Charles E. Noyes
Junius A. Hunter	Francis Michael O'Brien
Francis Stephen Hurley, Jr.	Francis William O'Brien
John F. Hurley	Thomas Joseph O'Brien
Irving Herbert Isinger	Walter S. Olinsky
Armen Robert Janjigian	Charles L. Olson
Victor T. D. Johnson	Henry C. O'Meara
John Gordon Johnston	Martin O'Shaughnessy
Prentiss Walker Jordan	William L. Pando
Armand Kasparian	Mansfield Beals Patterson
Thomas Francis Keenan	Wilfred N. Patterson
Wilbert Eugene Kelson	George H. Pelham
Laurence Freeman Kempton	Lloyd F. Pike
Arthur Francis Kennedy	Philip George Porter
Charles Joseph Kenney	William John Powers
Chester Arthur Lamb	Charles M. Pugh
Francis J. Leahy	Philip Edward Pummell
Frederick Lees	James U. Purdy
Lorenzo E. Lenzi	John J. Reardon
Frank LoMaglio	Joseph T. Regan
Chester David Ludwig	Charles R. Rice
Amorino Joseph Luongo	Edwin W. Ricker
Samuel Lurie	Kenneth Arthur Ritchie
Albert Chester Lyman	Albert Rose
Lawrence Francis Lynch	Warren C. Russell
Joseph V. Lyons	Carmino Russo
Arthur J. Macdonald	Paul Ryan
Richard Carl Marcotti	Frederick C. Schwelm
Joseph Albert Marley	Leo F. Seelig
Robert Joseph Martin	Herbert Jacobson Segal
Robert Morrison Martin	Richard Lewis Shackford
Robert Maxon, Jr.	Albert Everett Sherburne
Leslie Edgar McCleery	James Francis Sherman
Francis McCormack	Milton Shorey
Robert C. McKenzie	Isadore Shulman
John W. McLellan	Donald M. Simm
Thomas McNeil	William L. Simpson
Donald Frank McNeilly	Walter J. Skelton
John Joseph McSweeney, Jr.	Oscar Smith, Jr.
Paul Metzger	Garfield N. Snowdon
Aryan Gilman Milliken	Anthony Spina
Edward E. Montague	Charles M. Stanion
Alfonso Montuori	Tolsi Stevens
Clarence J. Moran	Edmund Gilbert Storlazzi
Robert A. Mortali	John William Struble
Andrew Inglis Mosher	Michael G. Sullivan
Morrill Bengtson Munsey	Earl A. Swanson
Daniel James Murphy	John N. Tarrant
Herbert Joseph Murphy	Michael Taurasi, Jr.
John J. Murphy	William Alfred Tesson
Irving Russell Murray	Richard Thompson
Albert Nahigian	Paul R. Thornton
Edward S. Nahigian	Francis Edward Toomey
Paul Nahigian	William Harrison Vodden
Albert Francis Nardone	Henry J. Walsh
Max Nissenbaum	Richard Joseph Walsh
Samuel Nolan	Clinton Reade Warren

Herbert C. Warren
 Samuel Weissman
 Ralph Clearton Welch
 Joseph William Whitmore
 George Wilbur Wing

Charles Frederick Winters
 Henry E. Winters
 James Edward Yeomans
 Louis A. Zaccardo

Southern

GIRLS

Concettina Mary Affannato
 Eva Alo
 Grace Marion Ames
 Gertrude June Anderson
 Regina T. Anderson
 Hazel Anooshian
 Florence Grace Archambeau
 Doris I. Baratta
 Mary Elizabeth Bergazzi
 Olive M. Bertacchini
 Helen Tillie Blumsack
 Ruth E. Bockstrom
 Catherine Louise Bolt
 Charlotte Bornstein
 Marie T. Brazao
 Ethel M. Brazier
 Margaret Anna Brennan
 Rose Marie Brochi
 Bessie Bromfield
 Helen Norris Bruns
 Virginia Emily Buckles
 Helen Margaret Buckley
 Elizabeth Buonconsiglio
 Mary Carmen Buonomo
 Eileen Carey
 Clotilde Elizabeth Carreiro
 Janet Rita Carrie
 Mary Cavazzoni
 Fanny Ruth Charik
 Eleanor Mary Chiesa
 Irma Flora Cincotti
 Mary Teresa Cloran
 Margaret Catherine Collins
 Janet Colson
 Evelyn Dorothea Corkum
 Rose Marie Corrier
 Marion Agnes Cram
 Bernice Iva Crocker
 Doris Rita Crocker
 Margaret Mary Cronin
 Mary Terresa Crotty
 Helen Threasa Cummings
 Ruth Elizabeth Curtis
 L. Eleanor DeBay
 Mary Ellen DeCoste
 Caroline DelMonte

Lucy Louise DeRosa
 Eleanor Angelina DeVellis
 Anna Teresa Diotaiuti
 Florence V. Diozzi
 Angelina T. DiRaffaele
 Mary V. DiRocco
 Mildred Agnes Dollinger
 Mary Pauline Domings
 Ethel Mae Donnell
 Catherine W. Donnelly
 Virginia Grace Doyle
 Isabel Adelaide Drew
 Evelyn Esther Edelstein
 Muriel Olive Erb
 Bertha June Evans
 Louise Everett
 Liberty Fecas
 Lena Mary Ferrarini
 Lillian Fishlin
 Rita Agnes Flanagan
 Rita Veronica Foster
 Helen Christine Fraser
 Ferndale Freeman
 Annie J. Gardini
 Theresa J. Giaccone
 Emily Evelyn Giberson
 Mary Ellen Glynn
 Eleanora Amelia Gori
 Laura Emma Govoni
 Elizabeth Annie Graham
 Beatrice B. Guazzaloca
 Flora T. Guazzaloca
 Eva Florence Guggina
 Louise Veronica Hagerty
 Margaret C. Haley
 Edith S. Hamilton
 Elizabeth Teresa Harrington
 Rita Gertrude Hartney
 Mary F. Henry
 Alice Virginia Herlihy
 Amy Louise Heshion
 Blanche M. Hillier
 Phyllis Muriel Hinton
 Rosalie Murray Hughes
 Edna V. Jaskun
 Doris Annette Keane
 Mary Veronica Keane
 Frances Toby Kerner

Jessie Margaret Kidston
 Maybelle Kinsley
 Catherine I. Kirkland
 Lily B. Kolikoff
 Jemsina Taylor Kydd
 Eva M. Lagamorsino
 Louise Lanzara
 Doris Rose Legere
 Frances Isabell Lemos
 Eleanor Rose Lentz
 Florence P. Lingos
 Monica E. Lowe
 Dorothy Mary Lucy
 Pearl A. MacLaughlin
 Julia J. Macrokanis
 Margaret Agnes Mahan
 Blanche P. Marengi
 Mary Agatha Marques
 Nora Teresa Martin
 Winnifred E. Matthews
 Newvart Matthewsian
 Helen S. Mazer
 Alice Dorothea McCarthy
 Eileen M. McCarthy
 Mary Agnes McCauley
 Anna McLaughlin
 Alice Loretta Mello
 Gloria Leonora Mello
 Eunice Irma Merluzzi
 Josephine Margaret Mobilia
 Gladys Marie Molan
 Pauline Moran
 Rose Mary Mossali
 Margaret Lillian Murphy
 Margaret L. Myott
 Eva Matilda Nelson
 Elizabeth Nissenbaum
 Beatrice Nobrega
 Alice Frances O'Brien
 Mary Josephine O'Brien
 Rita V. O'Callaghan
 Catherine Bernice O'Hea
 Evelyn C. Oliver
 Helen Louise Parker
 Arline B. Peretsman
 Maude Edith Perry
 Mary Ernestine Peters
 Doris Mae Pindari
 Blodwen Dyllis Pittman
 Antoinette Maria Prespolis
 Helen Josephine Puczito
 Muriel Norma Purdy
 Rose Preziosi
 Catherine Josephine Rafferty
 Claire Elizabeth Ramsey
 Helen C. Robinson
 Mary Hortense Rocha

Mary Rodriques
 Stefania H. Romanowska
 Leah S. Roseland
 Minnie K. Ross
 Dolcina Rossi
 Enes Mary Rossi
 Mary Frances Rotheroe
 Rose M. Ruggiero
 Mary Dorothy Ryan
 Mary Clara Salemmme
 Mary Emily Salisbury
 Catherine Samiotes
 Nora L. Sampson
 Louise Edna Samson
 F. Virginia Savage
 Ida Alison Savani
 Winifred Elizabeth Shaw
 Doris Estelle Shea
 Helen B. Sherman
 Gertrude L. Sigel
 Gladys M. Silva
 Helen Slubenuck
 Dorothy Frances Smith
 Angelina Solimine
 Alice Sousa
 Delinda C. Sousa
 Beatrice Theresa Souza
 Elena M. Spurio
 Mary A. Stefanelli
 Bertha Stern
 Leila Marion Stevens
 Elizabeth Glen Stirling
 Margaret A. Stratton
 Helen Marie Sullivan
 Mary Tafralian
 Clara E. Tashjian
 Mildred Irene Thompson
 Bernice Isabelle Tracey
 Rose Catherine Traniello
 Florence Tuccelli
 Ethel Ruth Underhill
 Eleanor C. Vecchiarello
 Evelyn Wallace
 Barbara B. Webster
 Myra Olive Welch
 Helen L. Whitehouse
 Jadwiga M. Zakszewska
 Florence Zona

BOYS

Salvatore A. Accetta
 Salvatore Agresti
 Cosmo A. Albano
 George Russell Allan, Jr.
 George Warren Allen

John Joseph Anderson
 Constantino Angelesco
 George N. Arbeene
 Francis P. Armstrong
 Leo Harold Austin
 William E. Bannister
 Walter V. Baratta
 Edward John Berra
 Philip Bertacchini
 Cosmo Bertocci
 John S. Blood
 Quentin E. Bloomer
 Charles William Bobroff
 Harry K. Bowen
 Joseph William Bradley, Jr.
 Joseph Edward Brady
 George Walter Bragdon
 Manuel Brazao, Jr.
 Joseph Leo Brooks
 Robert Francis Bryant
 Albert J. Buonomo
 Angelo Edmund Bussolari
 Joseph M. Cabral
 Martin T. Camacho
 Louis John Cantelli
 William James Carney
 Charles T. Carroll
 Charles Henry Carter
 Joseph John Casali
 Joseph Nicolas Clerico
 Edward P. Considine
 Chester I. Copithorne
 Thomas Coppola
 Edward John Cotter
 John Joseph Coughlan
 William Francis Crotty
 Martin C. Cullen
 Romeo D'Apice
 John Woodberry Davidson
 Joseph Robert Davis
 Raymond F. DiBiase, Jr.
 Dean Stewart Dickie
 Francis Joseph Dineen
 Patsy L. DiRusso
 Thomas DiSilva
 Edward J. Doherty, Jr.
 Joseph J. Doherty
 Hugh J. Donoghue
 John James Donohue
 Michael A. Donovan
 Robert E. Douglas
 Nicholas Vincent Drago
 Fred LeBaron Estey, Jr.
 George Aloysius Evans
 Bruno Ferrarini
 Maurice Fishman
 Arthur Philip Fitzgerald

Frederick J. Foley
 John Edwin Frost
 Fernand P. Furtado
 Joseph Angelo Galazzi
 George Goldstein
 George F. Goldstein
 Angelo Joseph Grassia
 Charles S. Hadley
 Thomas Joseph Hagerty
 Andrew Wm. Hammond
 George Albert Hamwey
 John J. Hawley
 Thomas Hay
 Walter E. Hodgdon
 Albert P. Hope
 Norman Earl Hudson
 Reynold J. Hunter
 Tyko K. Huoppi
 Ralph W. Hutchings
 Leonard Harrison Hutchinson
 Joseph Francis Kajunski
 Antranik Kazanjian
 James Kennedy
 George W. Kenney
 John J. King
 William Joseph Kingsley
 William Joseph Kirk
 William H. Knight
 Herbert Korenblitt
 Joseph LeGrega
 Francis W. Lane
 John F. Leary
 Alfred George Lee
 Harold A. Lewis
 Donald S. Liberatore
 Frank Lombardi
 Salvatore Vincent Lonero
 Daniel Joseph Lynch
 Constant Macarelli
 Walter Lawrence Mace
 Robert John MacNeil
 Charles Francis Paul Mader
 Frank N. Magliozzi
 Alfred Frank Manzi
 William A. Martin
 Gino Mazzaschi
 Daniel Joseph McCarthy
 Thomas Joseph McDermott
 Edward J. McDonald
 William Andrew McEvoy
 Frank McFaun
 John J. McLaughlin
 Henry Silva Medeiros
 Salvatore Miceli
 Harold Gustav Michelson
 James Douglas Milligan
 John T. Molloy

George B. Moran	Attio John Santoro
Walter Frederick Morgan	Felix E. Santospirito
Warren William Morris	William Semenchuk
Edward F. Morrissey	William Shafferman
Redmond J. Mullins	Thomas Joseph Shannon
Edward Paul Murphy	John J. Shea
Paul G. Murphy	Edward J. Shields
Henry Thomas Murray	William Francis Silkes
George V. Murry	Frederick Emery Silva
Ceasere Muzzioli	William J. Simmons
Zarven Najarian	Einar Sletner
David Francis O'Brien, Jr.	Ralph L. Smith
John V. O'Connell	Pasqual J. Sousa
Alec Panasuk	Walter Sousa
Joseph T. Panasuk	Frank Sperduta
Joseph Edmund Panza	Joseph G. Sullivan
John S. Pierce	Francis Eugene Sweeney
Joseph Angelo Pignatelli	Henry William Syer
William Joseph Pigott	Broni Szydlowski
Ronald E. Pirozzi	Cosmo Charles Tacito
Michael J. Polimeni	John Joseph Tegan
William H. Purdy	Cosmo Joseph Traniello
William James Reidy	Francis Alfred Travers
Herbert Edward Rhodes	Clarence A. Traverse
Francis J. Rice	Pasquale Tuccelli
Ralph J. Roche	Alfred Vettori
James Henry Rooney	Russell Irving Walker
Frank E. Rudzinski	Robert H. Wiggins
Felix Henry Sagan	Joseph Thomas Wilson
George Sainato	Thomas Livingstone Wright

Western

GIRLS

Ella Velma Abbott	Theresa Mae Calamara
Muriel F. Adams	Angelina Calandrella
Emelia M. Anderson	Doris L. Callow
Rose Marie Annacone	Jessie M. Campbell
Evelyn R. Annis	Kathleen Theresa Canniff
Phyllis Arlene Atkinson	Eleanor Marie Canty
Rosa Bagdigian	Eleanor R. Carbone
Gertrude Viola Baker	Alba Mary Carnicelli
Avis Anne Baxter	Alice Louise Carr
Marjorie Estelle Beckett	Rita Marie Castro
Jennie Elvira Benfante	Evelyn Cataldo
Elizabeth Rowe Benson	Angelina Cerasi
Doris Lorraine Blevins	Christine Florence Chisholm
Florence C. Brennan	Anna G. Clair
Catherine F. Brown	Louise Morgan Clarke
Madeline Claire Buckley	Dorothy E. Clogston
Kathryn E. Burdick	A. Grace Coady
Edith Harriet Burk	Marion N. Coll
Mary D. Busher	Amelia Mary Costa
Beatrice Marguerite Buss	Marie Isabel Corriea
Mary Gertrude Cahalan	Rita C. Coyne
	Olive E. Crochetiere
	Jean M. Crook

Mabel M. Crouse
 Annette Louise Currie
 Estelle Veronica Curtin
 Mary A. Cushing
 Helen Elsie Dalheim
 Doris M. Daniels
 Doris Rose Davis
 Marguerite May Dearborn
 Margaret E. Demott
 Regina M. DiCiaccio
 Georgia Althea Drake
 Maude Elizabeth Driscoll
 Pauline Louise Dudley
 Helen Adelaide Dunham
 Dorothy Evelyn Eckert
 Mary Florence Eklof
 Ruth Constance Eleen
 Ruth Lapham Fader
 Winifred Mary Fitzgerald
 Josephine A. Forgione
 Daphne J. Fowler
 Virginia Stewart Freeman
 Katherine Elizabeth Galvin
 Marguerite Gillespie
 Edith Elizabeth Girard
 Clotilde Marguerite Gomes
 Mary Greene
 Helen Louise Groves
 Lucia M. Guerriero
 Helen Louise Guilderson
 M. Margaret Gunning
 Adele Josephine Haley
 Marian Evelyn Hall
 Dorothy Marion Hallberg
 Alma Estelle Hallett
 Elsie Rosalie Harper
 Evelyn Pearl Harrison
 Winnifred A. Hawkesworth
 Pauline Elizabeth Hayward
 Carolyn Janice Heintz
 Alice Margaret Hemmerlin
 Ruth Elizabeth Houghton
 Louise Marie Howard
 Pearl V. Hughins
 Mary Elizabeth Hunt
 Grace Frances Hunter
 Elma Dorothea Hutchins
 Doris Muriel Ireland
 Lois Adelaide Jones
 Carol Wellington Joseph
 Emily Marie Kelson
 Esther Kent
 Lillian V. King
 Jeanette Florence Lee
 Charlotte Martha Lord
 Dorothy Lundberg
 Helen Gertrude Macdonald

Mildred Isabel MacIntosh
 Sarah M. MacPhail
 Margaret Rita Malone
 Beatrice Mamigon
 Barbara E. Mansfield
 Mary Delphine Marques
 Gladys M. Martin
 Delia Clara Mazzarello
 Mary Elizabeth McCarthy
 Rita J. McKenna
 Ruth Evelyn O. McMahon
 Florence Anita Melrose
 Gertrude I. Merritt
 Estella Miner
 Marjorie Arlene Morrison
 Anna Helena Nash
 Charlotte Virginia Nevers
 Dorothy M. Neylan
 Mary Frances Nihan
 Ella Nozzolillo
 Lena Pauline Nozzolillo
 Margaret Mary O'Brien
 Dorothy Virginia O'Connor
 Mary E. O'Leary
 Eleanor T. Osborn
 Eleanor Osgood
 Madeline E. Packard
 Dorothy M. Paes
 Jennie L. Palmer
 Lillian R. Parker
 Helen Elizabeth Parnell
 Dorothy Helen Pease
 Mary Elizabeth Perry
 Elsa S. Pettinati
 Louise Potter
 Esther R. Preziosi
 Ruth Genevieve Purcell
 Alice Genevieve Purtell
 Edith Mae Quinn
 Margaret Dorothy Ray
 Margaret Lillian Ray
 Louise Riccio
 Marie Rice
 Reta F. Rice
 Anna Vaughan Rieck
 Marion Hocking Riley
 Elva Claire Robinson
 Gwendolyn Louise Robinson
 Janette Robinson
 Dorothy M. Rogers
 Anna Beatrice Rutherford
 Linda H. Sabbag
 Mildred Samson
 Jean Shalline
 Mildred Freda Shirley
 Evelyn Agnes Simonetti
 Dorothy Hope Squires

Jean Alice Stackpole
 Kathleen Phyllis Stevens
 Alice Sudjian
 Frances E. Swaffield
 Grace Sweet
 Florence Sykes
 Dorothy Thurston
 Georgiana Tripp
 Martha Wade
 Hazel E. Wahlen
 Jean E. Walker
 Dorothy Viola Ward
 Josephine Frances Warren
 Ruth E. White
 Dorothy Emily Whiteacre
 Marion Louise Whittaker
 Constance P. Wiley
 Marie Jessie Williams
 Jane Emma Woodman
 Mary Catherine Woods

BOYS

Kenneth Arthur Addison
 Howard Allison
 Rae Doyle Anderson
 Ralph D. Anderson
 James Annacone
 Lloyd Clifton Anstey
 Edward J. Azar
 Melvin John Bailey
 Charles Herbert. Bargoot
 Carl F. Barnet
 Albert J. Baruffaldi
 Harry B. Bassett
 Donald E. Bates
 Vincent Joseph Agostino Benfante
 Charles W. Bonelli
 Edwin Forrest Brackett
 Clifford Clerc Braman
 Henry Bromberg
 Robert Francis Busher
 Robert R. Cammon
 Charles I. Cann, Jr.
 Herbert Carlson
 Willis M. Carter
 Glendon Emery Martin Chapman
 Robert G. Charleton
 William Chesterfield
 Vincent Chiary
 Joseph Guilio Ciccanesi
 Goodhand D. Clark
 John Douglas Clark
 Richard Colburn
 Peter Delli Colli
 Francis J. Comber

Herbert Cleveland Copithorne, Jr.
 Leo Francis Coughlin
 Charles Kenneth Cummings
 Bradford E. Dalton
 George H. Davison
 Nubar Jack Dinjian
 George A. Dodge
 Alfred Rollo Doig
 Hobart Wilson Dondero
 Joseph John Donovan
 Arthur Joseph Duffy
 John Joseph Duggan
 Vincent Leo Dumas
 John Dwaresky
 Earle George Dymont
 Herbert Sylvester Edmands
 George Emanuel
 Carl A. G. Engstrom
 Ernest John Ferreira
 Joseph Edward Fiola
 Paul Morton Fletcher
 Fred Herman Flint
 Ivar Gustaf Robert Forsberg
 William J. Gardner
 Ettore Giannantonio
 Donald F. Grady
 George Wilbur Graves
 R. Stedman Green
 Charles Humbert Guerreiro
 Frederick Higgins Guillou
 Ralph Albert Hagberg
 Meyer Hamelburg
 Rodney S. Hamilton
 William H. Harrison
 John H. Hart
 I. Aaron Hershkovitz
 Ezra Hershkovitz
 Loring R. Hildred
 Walter W. Hill
 Kenneth B. Hood
 William Eugene Howe
 John A. Hurd
 Harold Isenstadt
 Harold E. Johnson
 Richard Kalustian
 Alfred A. Kasper
 James A. Kaup
 Joseph Francis Keefe
 Sherwood Colby Kenyon
 Norman Linnell Kincaid
 Paul Haddon Kingston
 Edmund Austin Kinsella
 Walter Wishman Knowlton
 Franklin Alexander Lane
 Sherman Earle Levenson
 Gustav A. Lorentzen
 Albert L. Lundgren

Albert Emerson Lussier	Geno Rappoli
Peter A. MacDonald	Raymond Dane Reynolds
William MacGillivray	Ernest William Ryder
Richard MacLaughlan	Sarkis Hagop Sarkisian
Roderick Donald MacLeod	John Saunders
William Sterling MacMillan	Leroy Edward Savage
Edward L. Mahoney	Robert C. Senior
Herbert Edwin Marshall	Martin Francis Shaughnessy
Richard Marshall	Robert Joseph Shaw
Arthur Arnold Martin, Jr.	Robert E. Shea
Richard Charles Marvin	Gordon A. Shearer
Paul Milliken	Lawrence W. Shiere
Guy L. Mingoelli	James Mont Smith
Lawrence William Mingoelli	Lermond Smalley Smith
Arthur Mitchell	Walter S. Smith
Alexander W. Mitton	John Philip Sousa
Alleenno Moniz	William F. Spalding
Lloyd H. Morey	Chester Raymond Spinney, Jr.
Roland J. Morin	Alfred N. Spolidoro
Vincent Morse	Walter Steeves
Fred A. Morrison	Herbert William Stern
Allan Stewart Mosher	Lennart Anders Swenson
Earle Sherman Nason, Jr.	Carroll A. Throensen
Beverly Ashton Nickerson	George K. Tikijian
Russell A. Nickerson	Kenneth L. Totty
Stanley H. Northrop	Edward Salvador Trotta
Walter R. Oesting	Richard A. Vercollone
Elmer Lawrence Olsen	Alfred Warburton
Rodney A. Olson	Herbert G. Weber
Norman H. O'Reilly	Francis Roy Wentzell
John Clinton Palmer	Horace Frederick Wheaton
A. Jasper Parigian	Albert Earl Whitcomb
Paul Leo Perry, Jr.	Charles Harold Winchester
William David Picard	Edgar Pitkin Wyman
Joseph P. Pierce	Mardros Harry Yacubian
Alexander Thomson Plumer	Edward F. Young
Bernard Francis Prescott	Richard H. Young
Charles Esdale Proudfoot	Harold Zirpolo
John Edward Pugh	

TABLE 27.—VOCATIONAL SCHOOL GRADUATES

Vocational School for Boys

Robert Kay Ashworth	Richard Alvin Milligan
Kenneth Blundon	Paul Francis Mooney
Sidney E. Brown	Paul Revere O'Brien
Nicolo J. Fappiano	Fred David Patterson
Francis Paul Foley	Joseph Chamberlain Powers
Charles Frederick Graves	Charles L. Rafferty
Elmer E. Gurney	Sylvio Emile Renault
James William Higgins	Clifton Andrew Ruck
Francis Henry Kelley	Henry Joseph Silva
D. George Kinnie	Carl Woodbury Sleeper
Wilfrid C. Lafayette	Donald P. Symmes
Neil William MacLeod	Carl Frederick Uhlandorf
J. Harold Magurn	

TABLE 28—ORGANIZATION OF SCHOOL BOARD, 1930

School Committee

FRANCIS J. FITZPATRICK	Chairman
WILLIAM F. DEWIRE	Vice-Chairman

Members

EX-OFFICIO

JOHN J. MURPHY, Mayor	19 Gibbens Street
ERNEST C. CARR, President Board of Aldermen	79 Boston Street

WARD ONE

FRANCIS J. FITZPATRICK	2 Austin Street
EUGENE H. GIROUX	37 Cross Street East

WARD TWO

ELIZABETH J. CAIRNES	10 Mossland Street
WILLIAM F. DEWIRE	5 Magnus Avenue

WARD THREE

JOHN C. KELLEHER	8 Bigelow Street
JAMES C. SCANLAN	36 Munroe Street

WARD FOUR

A. MARION MERRILL	2 Madison Street
MINNIE S. TURNER	64 Hudson Street

WARD FIVE

LOUIS B. CONNELLY	84 Bartlett Street
PERRY F. NANGLE	29 Highland Road

WARD SIX

HERBERT CHOLETON	94 College Avenue
EDWIN A. SHAW	63 College Avenue

WARD SEVEN

CRAWFORD K. SWEELEY	25 Curtis Street
ORVILLE S. WALDRON	135 Powder House Blvd.

Superintendent of Schools

EVERETT W. IRELAND

Office: West Building, High School, Highland Avenue.

Residence: 137 Powder House Boulevard.

The Superintendent's Office will be open on school days from 8:00 to 5:00; Saturdays, 8:00 to 10:00. His office hour is 4 o'clock on school days, and 8:30 on Saturdays.

Assistant Superintendent of Schools

WALTER P. SWEET, 71 Hume Avenue, Medford

Superintendent's Office Force

Mary A. Clark, 15 Pleasant Avenue
 Mildred A. Merrill, 26 Cambria Street
 Marion E. Marshall, 30 Gilman Street
 S. Regina Truelson, 38 Rogers Avenue
 Alice I. Amidon, 27 Gorham Street
 Bernice A. Tuck, 95 Belmont Street
 Anita Sumner, 276 Summer Street

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1930.—Concluded

Board Meetings		
January 6	April 28	October 27
January 27	May 26	November 24
February 24	June 30	December 29
March 31	September 29	

Standing Committees, 1930

N. B. The member first named is chairman, the second named is vice-chairman.

High Schools—Nangle, Cholerton, Fitzpatrick, Dewire, Kelleher, Merrill, Sweeley.

School Accommodations—Kelleher, Nangle, Fitzpatrick, Dewire, Turner, Cholerton, Waldron, Mayor Murphy, President Carr.

Teachers—Dewire, Sweeley, Fitzpatrick, Kelleher, Merrill, Nangle, Cholerton.

Finance—Scanlan, Cairnes, Fitzpatrick, Merrill, Nangle, Shaw, Sweeley, Mayor Murphy, President Carr.

Textbooks and Courses of Study—Sweeley, Scanlan, Giroux, Cairnes, Merrill, Connelly, Shaw.

Industrial Education—Giroux, Connelly, Cairnes, Scanlan, Turner, Cholerton, Waldron.

Health, Physical Training, and Athletics—Cairnes, Giroux, Scanlan, Turner, Connelly, Shaw, Waldron.

Rules and Regulations—Shaw, Kelleher, Giroux, Dewire, Turner, Connelly, Waldron.

District One—Giroux, Fitzpatrick, Kelleher.

District Two—Cairnes, Dewire, Fitzpatrick.

District Three—Scanlan, Kelleher, Dewire.

District Four—Merrill, Turner, Connelly.

District Five—Nangle, Connelly, Turner.

District Six—Cholerton, Shaw, Sweeley.

District Seven—Waldron, Sweeley, Shaw.

TABLE 29—TEACHERS IN SERVICE, JANUARY, 1930

HIGH SCHOOL		
Central Hill		
Name and Residence	Salary	Began Service
John A. Avery, Head Master, 155 Summer Street	\$5000	1895
Everett W. Tuttle, Vice-Head Master, 62 Highland Avenue	4200	1895
John L. Hayward, Master, 242 School Street	2850	1913
Harry F. Sears, Master, 44 Orris St., Melrose Highlands	3500	1901
William W. Obeare, Master, 10 Greenville Street	3500	1906
George M. Hosmer, Master, 132 Summer Street	3425	1901
Laurence A. Sprague, 17 Perkins St., W. Newton	2850	1906
Arthur N. Small, 11 Pembroke Street	3300	1916
Fred W. Carrier, 14 Lloyd St., Winchester	3050	1915
George E. Pearson, 325 Highland Avenue	3025	1914
Charles B. Sylvester, 8 Plympton St., Cambridge	2850	1926
Wallace S. Hall, 37 Perkins St., W. Newton	2300	1919
Irving P. Colman, Greenbush	2800	1915
Albert O. Plantinga, 46 Melrose St., Melrose	2725	1918
Forrest S. Miller, 8 Hudson Street	2775	1920
L. Thomas DeCelles, 46 Ware Street	2200	1919
Francis J. Mahoney, 14 Madison Street	2600	1919
Frank L. Alciere, 50 Farragut Avenue	1975	1926
Helen L. Follansbee, 17 Pleasant Avenue	2450	1900
Harriet E. Tuell, 17 Pleasant Avenue	2600	1899
Elizabeth Campbell, 39 Greenville Street	2550	1902
M. Helen Teele, 11 Jason St., Arlington	2475	1895
Blanche S. Bradford, 163 Summer Street	2275	1903
Mrs. Grace S. Foster, Garrison Road, Hingham	2475	1908
Mrs. Lucy I. Topliff, 108 Highland Avenue	2250	1914
Ella D. Gray, 147 Walnut Street	2300	1901
Grace Gatchell, 67 Boston Street	2300	1906
A. Marguerite Browne, 32 Shepard St., Cambridge	2350	1908
Esther Parmenter, 16 Mystic Lake Drive, Arlington	2250	1911
Annie C. Woodward, 144 School Street	2375	1906
Alice A. Todd, 82 Munroe Street	2250	1913
Mrs. Ella B. Flagg, 2 Hillside Avenue	2100	1911
Florence L. McAllister, 23 Wallace Street	2150	1913
Laura R. Cunningham, 62 Highland Avenue	2150	1914
Mary C. Smith, 117 Prospect Street	2125	1916
Alfreda Veazie, 193 Linden St., Everett	2125	1916
Mrs. Phebe E. Mathews, 159 Morrison Avenue	2250	1916
Irene C. Ritchie, 15 Willoughby Street	2250	1912
Ella W. Burnham, 58 Walnut Street	2200	1919
Bernice O. Newborg, 141 Park Ave. Ext., Arlington Hts.	2250	1918
Louise M. Saunders, 391 Broadway	2200	1919
Gertrude W. Chaffin, 8 Copeland Terr., Malden	2100	1916
Elizabeth M. Welch, 3 Washington Ave., Arlington Hts.	2250	1919
Harriet M. Bell, 118 Charles St., Boston	2275	1904
Margery Moore, 24 Pleasant Avenue	2250	1920
Margaret Cochran, 34 Hancock St., Medford	2125	1921
Carmen Solano, 176 Naples Road, Brookline	2250	1922
Phebe R. Boole, 21 Sacramento St., Cambridge	2000	1922
Ruby F. Sutherland, 46 Spring Street	2250	1922
Helen B. Ryan, 35 Columbus Avenue	2250	1918
Rena S. Hezelton, 142 Highland Avenue	2050	1909
M. Louise Hannon, 108 Thurston Street	2250	1923
Elizabeth Richards, 75 Electric Avenue	2125	1923
Irene E. Kenney, 16 Preston Road	2225	1923
Inez M. Atwater, 98 Electric Avenue	1975	1923
Mary Henleigh Brown, 162 Highland Avenue	2700	1911
Amy S. Irish, 59 Bailey Road, Watertown	2075	1923
Ruth E. Danforth, 75 Munroe Street	2150	1926
Mrs. Helen G. Leitch, 62 Highland Avenue	2175	1924
Mary A. Hickey, 55 Kenmore Road, Medford	2250	1918
Pauline D. Dodge, 222 Highland Avenue	2000	1925
Marguerite A. Ellison, 12 Lovell Street	2050	1925
Helen C. Jackson, 119 College Avenue	2100	1923
Mrs. Esther L. Card, 123 Highland Avenue	1875	1925
Lila H. Paul, 17 Clarendon St., Malden	2100	1925
Nettie V. Eastman, 60 Grove St., Auburndale	1800	1925
Eva M. Piercy, 57 Apthorp St., Wollaston	1950	1927
John J. Hoban, 39 Mansfield Street	1950	1926

Table 29—Teachers in Service, January, 1930—Continued

Name and Residence	Salary	Began Service
Elizabeth Leach, 30 Winchester St., Brookline	1800	1927
Ann R. Dunleavy, 8 Central Street	1375	1927
Martha M. Leftovith, Drawing Asst., 33 Lancaster Terr., Brookline	1300	1927
Margaret V. Burke, 1 Pearl Street	2100	1923
Alice M. Patterson, 35 Clewley Road, W. Medford	2050	1919
Katherine E. Reyeroft, 32 Winthrop St., Charlestown	2100	1924
Margaret J. Cotter, 8 Maynard St., Arlington	1725	1925
Marguerite Connolly, 58 Central Street	1450	1926
Marie B. Damery, 45 Charnwood Road	1650	1926
Marie E. Kenney, 12 Waterhouse Street	1575	1926
Arthur L. Morrissey, 162 Walnut Street	1800	1928
Agnes F. Viano, 110 Bedford St., Lexington	1300	1928
Frederick W. Prechtel, 48 Putnam Street	2000	1928
Bernard R. Moulton, 57 Sterling Street	1700	1928
John J. St. Angelo, 355 Highland Avenue	1700	1928
Lillian F. Sheridan, 38 Day Street	1600	1929
Robert E. McKelvey, 6 Jerome Street	1400	1929
Margaret F. Snell, 36 College Avenue	1300	1929
†E. Bradford Nichols, 52 Chester Street	1800	1929
Francis X. Rooney, 130 Summer Street	1800	1929
Agnes M. Carven, 56 Baldwin St., Charlestown	1975	1927
Elizabeth Guarnaccia, 27 Chestnut St., Wakefield	1850	1929
*Edmund M. Lanigan, 136 Lowell Street	1800	1930
*Mrs. Nellie S. Kenny, 267 Alewife Brook Parkway	1600	1930
*Mrs. Jean C. Plimpton, 34 Everett St., Arlington	1600	1930
Gladys B. Hastings, Librarian, 17 Pleasant Avenue	1700	1924
Mrs. Mary G. Callahan, Matron, 35 Columbus Avenue	1700	1929
Mrs. Christine Hunkins, Matron, 81 Walnut Street	1700	1928
Maabell M. Ham, Secretary, 156 Summer Street	1754	1906
Mildred F. Moses, Clerk, 11 Hall Avenue	\$27.50 per week	1924

* Temporary.

† Leave of Absence.

NORTHEASTERN JUNIOR HIGH SCHOOL

Marshall Street

Name and Residence	Salary	Began Service
John J. Norton, Master, 6 Walter Terrace	\$3000	1929
George K. Coyne, Vice-Principal, 59 Preston Road	2400	1925
Arthur J. Marchant, Emerson Road, Winchester	2500	1914
Wilbur E. Parker, 10 Hampshire St., Everett	2250	1927
Benjamin Q. Belonga, 24 Jackson St., Saugus	2275	1922
Robert K. Hughey, 52 Wesmur St., Malden	2250	1925
Walter F. Busam, 27 Warner Street	1800	1929
Joseph E. Beaver, 43 Curtis Street	1700	1928
Alice M. Austin, 41 College Ave., Medford	2200	1925
Emma G. Blanchard, 146 Massachusetts Ave., Boston	2200	1902
Mona Burke, 114 Oakley Road, Belmont	1950	1925
Adela L. Balch, 188 Central Street	2100	1921
Lillian A. Belanger, 379 Broadway	1925	1926
Marie Clifford, 1648 Massachusetts Ave., Cambridge	2100	1907
M. Virginia Crowne, 16 Central Road	1625	1925
Mrs. Clara B. Donlon, 73 Pleasant St., Ayer	2100	1914
Lucy E. Dorr, 386 Common St., Belmont	1800	1911
Kathinka Fessman, 1126 Boylston St., Boston	2350	1912
Florence R. Gallagher, 16 Otis St., Medford	2100	1918
Helen L. Galvin, 1111 Boylston St., Boston	2100	1903
Mrs. Amelia M. Gray, 67 Windsor Road, Medford	2025	1920
Pertie I. Gray, 121 Hancock Street	2100	1917
Edyth M. Grimshaw, 107 Harvard Ave., West Medford	1975	1909
Mrs. Elsie M. Guthrie, 50 Bromfield Road	2200	1919
Grace M. Henchey, 95 Thurston Street	1825	1926
Etta R. Holden, 26 Summit Avenue	2100	1908
Minnie A. Holden, 26 Summit Avenue	2100	1906
Lena M. Johnson, 138 Highland Avenue	1875	1927
Anna E. Keating, 16 Newton Road, Arlington	1725	1926

Table 29—Teachers in Service, January, 1930—Continued

Name and Residence	Salary	Began Service
Katherine T. Lombard, 112 Thurston Street	1875	1926
Mary F. Mead, 25 Monument St., West Medford	2200	1905
Elizabeth J. Mooney, 121 Hancock Street	2100	1904
Mrs. Ruth S. Moore, 28 Indiana Avenue	1825	1925
Mary E. O'Shaughnessy, 76 Derby Street	2200	1923
Clara V. Pomeroy, 138 Highland Avenue	1850	1926
Catherine M. Scanlan, 36 Munroe Street	1475	1926
Mrs. Constance H. Scherer, 73 Grafton St., Arlington	1800	1917
Eleanor Scully, 134 Oakleigh Road, Newton	1825	1925
Mrs. Gladys M. Sheldon, 54 Spring St., Melrose Hlds.	1950	1919
Velma B. Strout, 36 Francesca Avenue	2175	1913
Florence M. Wheeler, 50 Montrose Street	2175	1924
Harriet H. Hawes, 104 Forest St., Medford	1300	1927
Mrs. Marion I. Whitney, 10 Sanborn Avenue	1775	1927
Caroline A. Shea, 64 Pearson Road	1350	1928
Anne M. Mahoney, 117 Pleasant St., Dorchester	2025	1926
Sarah L. Wolfe, 121 Morrison Avenue	2100	1922
Florence Sullivan, 50 Dartmouth Street	1200	1926
Mary F. Downey, 88 Prospect Street	1400	1928
Edith G. Wilkins, 9a Ashland Street	1800	1929
Joseph A. Regan, 66 Putnam Street	1300	1929
Ruth Fowler, Clerk, 45 Franklin Street	\$27.50 per week	1924

SOUTHERN JUNIOR HIGH SCHOOL

Vinal Avenue

Name and Residence	Salary	Began Service
Raymond E. Shepherd, Master, 75 Coolidge Road, Arlington	\$3550	1919
Walter W. Newcombe, Vice-Principal, 46 Grayfield Ave., W. Roxbury	2800	1917
Arthur E. Gordon, 116 School Street	2200	1918
Melvin T. Carver, 247 Winthrop St., Winthrop	2200	1917
Herbert H. Shallies, 6 Wharton Park, Wakefield	2325	1923
Clara B. Sackett, 41 Vinal Avenue	2050	1891
Mrs. Gertrude W. Leighton, 159 Mill St., Abington	2100	1895
Grace T. Merritt, 8 Charnwood Road	2075	1897
Lilla E. Mann, 39 Burnside Avenue	2025	1902
Mrs. Mary B. Soule, 6 Aldersey Street	1875	1902
Leila L. Rand, 7 Webster St., Arlington	2200	1906
Nona E. Blackwell, 42 Belmont Street	1975	1906
Mrs. N. Theresa Hennessey, 44 High Street	2100	1909
Edith L. French, 52 Prescott Street	2100	1912
Emma J. Kennedy, 56 Walnut Street	2100	1912
Carrie M. Frost, 127 Highland Ave., Arlington	2100	1920
Charlotte A. Holmes, 24 Cambria Street	2100	1899
Ada G. Macdonald, 308 Commonwealth Ave., Boston	1950	1914
Anna J. Coll, 65 Newton Street	2200	1916
Olive M. Brownell, 33 Walnut Street	2025	1919
Ruth H. Conner, 15 Providence St., Lawrence	2200	1921
Edith V. Blood, 71 Berkeley Street	2100	1921
Mabel H. Eddy, 87 St. Stephen St., Boston	2200	1922
Eleanor D. Campbell, 169 Highland Avenue	2150	1922
Ida Paly, 34 Adrian Street	2200	1922
Martha H. Hannon, 108 Thurston Street	2200	1923
Evelyn E. Weston, 15 Gibbens Street	2100	1924
Mary L. Harrington, 1 Carver Street	1900	1925
Anne C. Donohue, 390 Savin Hill Ave., Dorchester	1975	1924
Hortense F. Small, 91 Electric Avenue	2100	1912
Alice W. Jones, 162 Lowell Street	2200	1925
H. Beatrice Bingham, 52 Pearl Street	1650	1926
Elizabeth D. Armstrong, 104 Summer Street	1575	1926
Lila M. Perry, 23 Walnut Road	1650	1927
Gertrude I. McEachern, 14 Sanborn Avenue	1900	1923
Ruth E. Whittemore, 42 Powder House Boulevard	1500	1927
Wilfred H. Roberts, 44 Sterling Street	1850	1928
Winifred M. Ford, 100 Pearson Avenue	1275	1927
Clara J. Portesi, 9 Bowen St., Arlington	1200	1928
Dorothy M. Cragin, 20 Josephine Avenue	1300	1928
Albert H. Giroux, 12 Lincoln Street	1300	1929
Beatrice M. Hersom, Clerk, 62 Highland Avenue	\$27.50 per week	1924

Table 29—Teachers in Service, January, 1930—Continued

WESTERN JUNIOR HIGH SCHOOL

Holland Street

Name and Residence	Salary	Began Service
Arthur L. Doe, Master, 27 Spruce St., Malden	\$3500	1896
Joseph S. Hawthorne, Vice-Principal, 233 School Street	2800	1915
Ralph E. Farnsworth, 19 Wolcott St., Everett	2250	1918
Prescott E. Whitfield, 33 Walnut Street	2200	1921
William J. Crotty, 87 Avon Street	1925	1926
Edson E. Dewey, 457 Washington St., Winchester	1850	1927
Michael B. Dewire, 384 Washington Street	1800	1928
Clara B. Parkhurst, 146 Highland Avenue	1800	1889
Edith F. Hersey, 266 Gray St., Arlington	2100	1899
Annie G. Smith, 59 Maple St., Malden	1900	1901
Mary L. Bryant, 41 Mason Street	2100	1903
Florence M. Hopkins, 288 Massachusetts Ave., Arlington	2050	1907
L. Alice Grady, 19 Billings Ave., Medford	2100	1912
Elizabeth R. Henderson, 152 Curtis Street	2100	1912
Marion F. Orne, 43 Fairmount Avenue	2200	1912
Mrs. Mae W. Conant, 62 Westminster Ave., Arlington Hts.	1800	1917
Marcella M. Garrick, 295 Lowell Street	2200	1917
Mrs. Blanche P. DeLand, 9 Hillcroft Park, W. Medford	1800	1917
Miriam E. Priest, 6 Hudson Street	2050	1917
Mrs. Geneva C. Farnsworth, 19 Wolcott St., Everett	1800	1917
Helen A. Moran, 483 Medford Street	2100	1919
Emma M. Damon, 170 Central Street	2100	1908
Catherine E. Giles, 5 Bradbury Ave., Wellington	2100	1918
Ellen L. Bellamy, 15 Lovell Street	2050	1921
Ethel M. Park, 71 Sycamore Street	2100	1916
Mrs. Lillias T. Lawton, 136 Neponset Ave., Dorchester	2100	1913
Veola M. DeLauzon, 12 Pembroke Street	1800	1923
Frances E. Biller, 353 Lowell Street	2075	1924
Viola M. Jackson, 107 Hollis Ave., Atlantic	2200	1924
Ruth M. Lang, 32 Almont St., Medford	2100	1926
Hazel L. Smith, 15 Victoria Street	1875	1922
Doris G. Tolman, 20 Water Street Ct., Medford	1700	1927
Florence R. Haley, 182 Powder House Boulevard	1850	1927
Hazel G. Gibson, 113 Gainsboro St., Boston	1700	1928
Olive E. Holmes, 9 Campbell Park	1450	1928
Rose Felt, 7 Oxford St., Winchester	1375	1927
Frances L. Bullen, 25 Highland Road	1300	1928
Anne C. Sheridan, Cadet, 23 Electric Avenue	800	1928
Dorothy Price, 87 Bay State Avenue	1300	1928
Irene Gottholm, 16 Rockwell Terr., Malden	1300	1928
Bernice F. Parker, Clerk, 244 Powder House Blvd.	\$27.50 per week	1924

VOCATIONAL SCHOOL FOR BOYS (DAY)

Davis Building, Tufts Street

Name and Residence	Salary	Began Service
Harry L. Jones, Principal, 77 Lincoln Road, Medford	\$3800	1896
Nehemiah E. Gillespie, 81 Worcester St., Boston	2425	1911
Charles A. Kirkpatrick, 100 Bartlett Street	2350	1913
Roy R. King, 12 Carter Terrace	2300	1918
Philip J. Heffernan, 71 Maynard St., Arlington	2300	1918
Benjamin C. Bowman, 18 Michigan Avenue	2200	1919
Roy C. MacGee, 27 Dover St., W. Medford	2375	1926
John F. O'Neil, 53 Highland Ave., Everett	2375	1926
Leo Millea, 75 Endicott Avenue	1950	1927
James A. Kelly, 30 Haverhill St., Charlestown	2000	1928
William H. Knight, 9 Preston Road	2000	1930
Arthur E. Peterson, 10 Loring Street	2000	1930
*Tobias Foss, 3 Concord Square, Boston	2000	1928
Mrs. Ethel M. Smith, Clerk, 128 Brookings St., Medford Hillside	\$27.50 per week	1921

* Temporary Teacher.

Table 29—Teachers in Service, January, 1930—Continued

INDEPENDENT HOUSEHOLD ARTS SCHOOL

High School Building

Name and Residence	Salary	Began Service
Mary Henleigh Brown, Director, 162 Highland Avenue	\$2700	1911

(WILLIAM H.) PRESCOTT SCHOOL

Pearl and Myrtle Streets

Grade	Name and Residence	Salary	Began Service
6	Charles E. Brainard, Master, 12 Pleasant Avenue	\$3500	1889
6	Edith M. Snell, 4 Vine St., Melrose	2100	1900
6	Evelyn MacDonald, 50 Bromfield Road	1875	1924
6	Mary E. Richardson, 136 Highland Avenue	2000	1893
6	Isabelle M. Gray, 25 Webster Street	1975	1897
6	Mrs. Doris F. Brown, 46 Franklin Street	1825	1924
6	Barbara Harding, 18 Gilman Terrace	1450	1928
5	Alice M. Dugmore, 1002 Broadway	2000	1923
5	G. Hortense Pentecost, 133 Walnut Street	2000	1905
5	Mrs. Myrtle I. Martin, 41 Putnam Street	2000	1916
5	Gertrude T. Donahue, 108 Summer Street	1850	1924
5	Gertrude E. MacDonald, 50 Bromfield Road	1625	1926
4	Patricia Harding, cadet, 18 Gilman Terrace	800	1928
4	Mrs. Louise S. Weare, 122 Bowdoin St., Boston	1700	1896
3	Helen D'Alelio, assistant, 22 Hull St., Boston	600	1929
3	Eleanor W. Nolan, 109 Highland Avenue	2000	1909
2	Louise E. Pratt, 163 Summer Street	1750	1889
2	Alice W. Cunningham, 62 Highland Avenue	1775	1901
1	Mrs. Grace E. Allen, 24 Long Ave., Belmont	1700	1919
1	Jeannette M. Hannabell, 61 Garfield St., Cambridge	1900	1917

SANFORD HANSCOM SCHOOL

Webster and Rush Streets

Grade	Name and Residence	Salary	Began Service
	Florence A. Chaney, Master, 49 Boston Street	.....	1892
4	Mrs. Agness M. Travis, 33 Marianne Road, Waltham	2150	1908
4	Maude A. Nichols, 88 Belmont Street	2000	1906
4	Jennie M. Twiss, 67 Berkeley Street	1700	1903
3	Frances E. Robinson, 48 Pinckney Street	2000	1908
3	Martha L. Littlefield, 163 Summer Street	1925	1897
2	Florence M. Shaw, 157 Summer Street	2000	1909
2	Dorothy Holmes, 45 Sewall Street	1200	1928
1	Marion A. Viets, 122 Dale St., Waltham	2000	1912
1	Ethel H. Werner, 20 Laurel St., Arlington	2000	1919
Kdgn.	Hilda Foley, 61 Putnam Street	1900	1923
Asst.	Alice J. Moran, 30 Lowden Avenue	600	1929

CLARK BENNETT SCHOOL

Poplar and Maple Streets

Grade	Name and Residence	Salary	Began Service
	Francis A. Ryan, Master, 230 Massachusetts Ave., Arlington	3475	1913
5	Kate B. Gifford, 3 Arlington St., Cambridge	2150	1902
6:5	Lois P. Wilbur, 47 Vinal Avenue	2000	1923
4	Irene Belanger, 379 Broadway	1200	1929
4	Ethel Peterson, 107 Pearl Street	1200	1923
3	Mrs. Katherine D. Millen, 22 Lovell Street	1950	1920
3:2	Blanche Llewellyn, 47 Vinal Avenue	1925	1926
2	Marie L. Wiczorek, 65 Mt. Auburn St., Cambridge	2000	1922
2:1	Abbie M. Brown, 20 Packard Avenue	2000	1923
1	Mary T. Mahoney, 10 Skehan Street	1350	1927
1	Elvira Badaracco, 1874 Beacon St., Brookline	1925	1922
Kdgn.	Mrs. Abigail R. Bailey, 278 Arborway, Jamaica Plain	1975	1924
Asst.	Louise A. Gartland, 21 Waldeck St., Dorchester	1550	1926

Table 29—Teachers in Service, January, 1930—Continued

GEORGE L. BAXTER SCHOOL

Bolton Street

Grade	Name and Residence	Salary	Began Service
	Catherine E. Sweeney, Master, 39 Powder House Terr. ....	.....	1901
5	Sue A. Fitzpatrick, 189 Summer Street	2100	1912
4	Geraldine J. Chamberlin, 37 Columbus Ave.	1725	1925
3	Margaret M. Breen, 461 Somerville Avenue	2000	1916
2	Catherine J. Madden, 326 Washington Street	1200	1929
1	Maria D. MacLeod, 78 Larchwood Drive, Cambridge	2000	1906
Kdgn.	Bertha M. Connor, 77 Pennsylvania Avenue	1625	1926

OREN S. KNAPP SCHOOL

Concord Avenue

Grade	Name and Residence	Salary	Began Service
	Catherine E. Sweeney, Master, 39 Powder House Terr. \$3500	.....	1901
6	Mary G. Blackwell, 42 Belmont Street	2150	1900
6	Ellen C. Moynihan, 12 Farrington Ave., Allston	2000	1919
6	Mrs. Blanche G. Crowell, 118 Josephine Avenue	1775	1928
6	Marguerite G. Stanton, 189 Summer Street	2000	1922
5	Mrs. Irene D. Kieran, 32 Line Street	1700	1928
5	Helena M. Leyden, 21 Magnus Avenue	1450	1926
4	Agnes Riley, 191 Summer Street	2000	1918
3	Helen F. Gallagher, 15 Naples Road, Brookline	1750	1923
2	Mildred D. Dewire, 384 Washington Street	2000	1923
2	Mrs. Anne D. Bravo, 163 Summer Street	1700	1929
1	Mary E. McCarthy, 101 Central Street	1550	1926

ALBION A. PERRY SCHOOL

Washington Street, near Dane Street

Grade	Name and Residence	Salary	Began Service
	Catherine E. Sweeney, Master, 39 Powder House Terr. ....	.....	1901
5	Mrs. Sarah E. Murphy, 8 Lancaster St., Cambridge	1800	1906
4	Mrs. Mary A. Withington, Canton, Mass.	1825	1910
3	Grace R. O'Neil, 347 Washington Street	2000	1913
2	Helen M. Armstrong, 104 Summer Street	1725	1924
1	Helen R. Haley, Cadet, 30 Partridge Avenue	800	1929
Asst.	Mary A. Cannon, 104 Summer Street	1000	1929
Kdgn.	Kathleen C. McCabe, 131 Josephine Avenue	1675	1925

CHARLES G. POPE SCHOOL

Washington and Boston Streets

Grade	Name and Residence	Salary	Began Service
	Florence A. Chaney, Master, 49 Boston Street	\$3325	1892
6	M. Abbie Tarbett, 11 Washington St., Stoneham	2150	1906
6	Mrs. Lura E. Babcock, 36 Curtis Street	1750	1927
5	Margaret C. Sullivan, 50 Dartmouth Street	1200	1928
5			
4	Annie G. Sheridan, 9 Atherstone Ave., Ashmont	2000	1886
4	A. Fern Fowler, 12 Pleasant Avenue	1950	1925
3	Catherine E. Wiggins, 98 Belmont Street	1700	1925
3	M. Katherine Davis, 243a Highland Avenue	1775	1904
2	Florence E. Locke, 14 Katherine Road, Watertown	1775	1899
2	Elizabeth Shiley, 179 Highland Avenue	1950	1925
1	Josephine Lacy, 73 Cherry Street	2000	1921
1	Alice B. Frye, 101 Summer St., Malden	2000	1904

Table 29—Teachers in Service, January, 1930—Continued

(JOHN A.) CUMMINGS SCHOOL

School Street, near Highland Avenue

Grade	Name and Residence	Salary	Began Service
	Samuel A. Johnson, Master, 5 Garden Terr., Allston	.....	1893
4	Katherine M. Fox, 152 Franklin St., Stoneham	\$2100	1896
3	Margaret J. Collins, 102 Prospect Street	1625	1925
2	Elizabeth L. Hersey, 96 Oxford Street	2000	1897
1	Mrs. Stella M. Hadley, 11 Greene Street	2000	1914

(JOHN G.) EDGERLY SCHOOL

Cross and Bonair Streets

Grade	Name and Residence	Salary	Began Service
	Charles E. Brainard, Master, 12 Pleasant Avenue	.....	1889
1	Martha M. Power, 37 Gleason St., W. Medford	\$2150	1890
3	Alice M. MacFarland, 62 Spruce St., Watertown	2000	1923
2	Mary V. Devine, 47 Houghton Street	1200	1928
1	Mary M. Eaton, 79 Central Street	1600	1926

(JACOB T.) GLINES SCHOOL

Jaques Street, near Grant Street

Grade	Name and Residence	Salary	Began Service
	Charles E. Brainard, Master, 12 Pleasant Avenue	.....	1889
6	Margaret A. Orr, 146 Massachusetts Ave., Boston	\$2150	1890
6:5	Harriet F. Ward, Weymouth	2000	1895
5	Mrs. Monira C. Blodgett, 84 Pearl Street	1950	1921
4	Mrs. Carrie Armitage, 57 Madison Street	1925	1899
4	Helen M. Keefe, 31a Trull Street	1625	1926
3	Florence E. Baxter, 42 Highland Avenue	1700	1891
3	Cora J. Demond, 146 Massachusetts Ave., Boston	1700	1900
2	Elizabeth C. Sullivan, 74 Ossipee Road	1975	1920
2	Ruth M. Drew, 42 Mt. Vernon Street	1700	1925
2	Mary McEachern, 14 Sanborn Avenue	1200	1929
1	Lillian Andrews, 74 Walnut Street	1650	1925
1	Berenice C. Coyne, 59 Preston Road	1350	1926
1	Anna M. Dee, 10 Bromfield Road	1275	1928
Kdgn.	Ida M. Kane, 28 Fellsway West	1750	1905
Asst.	Mary E. Forrest, 33 Central Street	1200	1928

(CHARLES) FORSTER SCHOOL

Sycamore Street and Evergreen Avenue

Grade	Name and Residence	Salary	Began Service
	Harry F. Hathaway, Master, 29 Albion Street	.....	1890
6	Bessie J. Baker, 19 Mills St., Malden	\$2150	1905
6	*Harriet Marshall, 29 Fayette St., Boston	1000	1929
6	Alice C. Blodgett, 491 Broadway	1975	1917
5	Margaret E. Bucknam, 35 Curtis Avenue	1800	1926
5	Hazel C. Wellington, 71 Oxford Street	1900	1924
5	Agnes C. McElhinney, 169 Linwood Street	1375	1928
4	Lillian J. Rollins, 230 Pearl Street	1950	1925
4	Jane A. Doyle, 80 Hinckley Street	1625	1926
3	Gladys M. Wellington, 71 Oxford Street	1800	1925
3	Florence V. English, 34 Elmwood Street	1375	1928
2	Lillian G. Wells, 61 Bonair Street	1825	1924
2	Mary M. Brown, 11 Harold Street	1625	1926
1	Mary A. Earle, 18 Walker Street	1525	1927
1	Pauline Scully, 134 Oakleigh Road, Newton	1200	1929
Kdgn.	Esther D. Hamilton, 209 College Avenue.	1700	1924
Asst.	Mabel Sheehan, 49 Avon Street	600	1930

* Temporary

Table 29—Teachers in Service, January, 1930—Continued

CONTINUATION SCHOOL

Folsom Building, Sycamore Street and Evergreen Avenue

Name and Residence	Salary	Began Service
Kells S. Boland, Teaching Principal, 42 Winthrop Rd., Belmont	\$2700	1920
H. Dunbar Davis, Emerson Road, Winchester	2375	1923
*Marion H. Hathaway, Warren, Mass.	1775	1924
Mrs. Ruth S. Richmond, 465 Broadway	1600	1928

* Leave of Absence.

(NORMAN W.) BINGHAM SCHOOL

Lowell Street, near Vernon Street

Grade	Name and Residence	Salary	Began Service
	Harry F. Hathaway, Master, 29 Albion Street	\$3400	1890
6	Elizabeth J. O'Neil, 82 Benton Road	2150	1894
6	Anna G. Molloy, 82 Benton Road	1850	1921
6:5	*Mrs. Eleanor R. O'Leary, 156 Summer Street	1700	1928
5	*Clara L. Griffiths, 39 Ames Street	1950	1902
5	Helen F. Wiseman, 43 Highland Ave., Cambridge	1900	1922
4	Anna R. Canfield, 205 Cedar Street	2000	1914
4	Alice E. Griffiths, 39 Ames Street	2000	1920
4:3	Barbara E. Drummey, 43 Short St., Marlboro	1950	1918
3	Lillian F. Commins, 6 Cypress St., Cambridge	1950	1914
3	Lynda V. Merrill, 26 Brastow Avenue	1700	1912
2	Frances E. Fisher, 215 Eastern Ave., E. Lynn	1975	1921
2	M. Gertrude McCarthy, 36 Brastow Avenue	2000	1917
2	Gertrude M. Dewire, 399 Washington Street	1700	1925
1	Mabel E. Mansir, 77 Albion Street	1700	1894
1	Loretta M. Tansey, Cadet, 108 Bromfield Road	800	1928
1	Mary Maguire, 432 Medford Street	1200	1928
Kdgn.	Marguerite M. Driscoll, 396 Medford Street	1850	1921
Asst.	Katherine E. Henchey, 95 Thurston Street	1450	1926

* Leave of Absence.

MARTIN W. CARR SCHOOL

Atherton Street

Grade	Name and Residence	Salary	Began Service
	Samuel A. Johnson, Master, 5 Gardner Terr., Allston	\$3200	1893
6	Eva S. Bent, 10 Steeves Circle	2075	1915
6	Grace A. McElhiney, 53 Brett St., Brockton	1975	1925
6	Dorothy L. Lundgren, 93 Lowden Avenue	2000	1915
5	Mrs. Hazel F. Quinn, 85 Norfolk St., Wollaston	1700	1915
5	Lillian E. Haskell, 41 Putnam Street	2000	1913
5	Elizabeth S. Foster, 124 Summer Street	1700	1895
5	Isabella M. Keppe, 22 Belmont Street	1625	1926
4	Alice M. Cumming, 117 School Street	2000	1917
4	Helen Hession, 57 Alpine St., Arlington Heights	1900	1924
3	Margaret M. Brennan, 30 School Street	2000	1917
3	Bessie I. Berry, 11 Oak Terr., Malden	2000	1915
2	Annie B. Russell, 14 Kidder Avenue	2000	1901
2	Mary E. Flanley, 9 Avon St., Wakefield	1975	1915
1	Mrs. Frances E. Savage, 303 Highland Avenue	1825	1908
1	Mabel R. Ingham, 62 Central Street	2000	1912

(ENOCH R.) MORSE SCHOOL

Summer and Craigie Streets

Grade	Name and Residence	Salary	Began Service
	Frank W. Seabury, Master, 99 Orchard Street	\$3500	1911
6	Mrs. Harriette C. Hamilton, 22 Pearson Avenue	2025	1900
6:5	Lennie W. Bartlett, 49 Laurel Street	1750	1893

Table 29—Teachers in Service, January, 1930—Continued

	Name and Residence	Salary	Began Service
5	Blanche E. Thompson, 53 Laurel Street	2000	1906
4	Mrs. Sarah K. Lake, 5 Stultz Road, Belmont	1825	1921
4:3	Eva A. Wilson, 34 Benton Road	2000	1917
3	Mrs. Agnes C. Rice, 226 Highland Avenue	1875	1900
2	Mrs. Margaret M. Joy, 264 Brookline Ave., Boston	1875	1925
2	Lena Monroe, 275 Willow Avenue	2000	1913
1	Mrs. Helen T. Smith, 47 Bay State Avenue	1825	1912
1	Alena M. Shea, 8 Holton St., Medford	1725	1925
Kdgn.	Gertrude Prichard, 5 Webster Street	1850	1920
Asst.	Lucy Kelley, 22 Spencer Avenue	600	1930

GEORGE O. PROCTOR SCHOOL

Hudson Street

Grade	Name and Residence	Salary	Began Service
	Harry F. Hathaway, Master, 29 Albion Street	.....	1890
6	Winifred I. Macdonald, 308 Commonwealth Av., Boston	\$2150	1917
6:5	Alice G. Hosmer, 158 Summer Street	2000	1906
5	Mrs. Nettie L. Fay, 15 Pleasant Avenue	2000	1901
4	Hazel G. Leith, 208 Powder House Boulevard	1425	1926
3	Edith L. Hunnewell, 41 Mason Street	2000	1894
2	Mary S. Richardson, 347 Boston Ave., Medford Hlsd.	1850	1906
1	Lucia Alger, 163 Summer Street	1950	1889

GEORGE W. DURELL SCHOOL

Beacon and Kent Streets

Grade	Name and Residence	Salary	Began Service
	Samuel A. Johnson, Master, 5 Gardner Terr., Allston	.....	1893
4	Abigail P. Hazelton, 28 Whitfield Road	\$1800	1902
3	Grace E. Packard, 14 Winslow Road, Belmont	1875	1912
2	Mrs. Alice M. Jordan, 82 Marion St., E. Boston	1950	1912
1	Mary M. Healey, 61 Dane Street	1200	1929

MARK F. BURNS SCHOOL

Cherry Street, near Highland Avenue

Grade	Name and Residence	Salary	Began Service
	Frank W. Seabury, Master, 99 Orchard Street	.....	1911
4	Margaret Beattie, 12 Fairview Ave., Watertown	\$2125	1914
4	Lizzie E. Hill, 335 Huntington Ave., Boston	2000	1890
3	Ethel F. Morang, 16 Curtis Avenue	2000	1920
3	Ruth E. Andrews, 173 Highland Avenue	2000	1917
2	Mary E. Lacy, 73 Cherry Street	2000	1890
2	Ardelle Abbott, 71 Craigie Street	2000	1896
1	Alice E. Morang, 16 Curtis Avenue	2000	1893
1	Marjorie E. Drew, 123 Orchard Street	1850	1927

BENJAMIN G. BROWN SCHOOL

Willow and Josephine Avenues

Grade	Name and Residence	Salary	Began Service
	George I. Bowden, Master, 92 Monument St., W. Medford	\$3500	1908
6	Mary T. Ford, 1138 Boylston St., Boston	2075	1911
6:5	Eleanor M. Lundgren, 93 Lowden Avenue	2000	1919
5	Mildred S. Flint, 12 Wendell St., Cambridge	1700	1925
4	Anna N. Johnson, 19 Minnesota Avenue	1950	1913

Table 29—Teachers in Service, January, 1930—Continued

Grade	Name and Residence	Salary	Began Service
4:3	Helen M. Smith, 17 Prichard Avenue	1375	1928
3	Helen M. Lawrence, 25½ Federal St., Beverly	1975	1923
2	Mrs. Grace H. Bliss, 33 Whitfield Road	2000	1900
2	Ruth E. French, 12 Wendell St., Cambridge	1750	1928
1	Pauline E. Thiesfeldt, 19 Forest St., Cambridge	1925	1923
1	Olivia H. Norcross, Wilmington	1900	1914

HIGHLAND SCHOOL

Highland Avenue and Grove Street

Grade	Name and Residence	Salary	Began Service
	Harlan P. Knight, Master, 22 Hamilton Road	.....	1897
6	Grace M. Clark, 10 Vernon St., W. Medford	\$2150	1893
6	Gladys R. Clark, Lowell Road, Concord	1925	1926
6	Eva M. Barrows, 58 Irving Street	1800	1903
6	Marion Allen, 74 Collins St., Danvers	1700	1911
5	Catharine A. Burden, 50 College Avenue	2000	1902
5	Mrs. Hazel M. Davis, 115 Poplar St., Watertown	2000	1919
5	Eleanor B. Casey, 28 Bartlett Street	1750	1925
5	Carrie E. Crockett, 26 Whitfield Road	2000	1923
Kdgn.	Mrs. Dorothy C. Huddy, 34 Payson Terr., Belmont	2000	1921
Asst.	Margaret Kendall, 64 Vinal Avenue	1200	1927

S. NEWTON CUTLER SCHOOL

Powder House Boulevard, near Raymond Avenue

Grade	Name and Residence	Salary	Began Service
	Harlan P. Knight, Master, 22 Hamilton Road	\$3500	1897
6	Bernice J. Andrews, 10 Locke St., No. Cambridge	2150	1914
6	Mrs. Minnie E. Lougee, 52 Pitcher Ave., W. Medford	2000	1922
6	Ella H. Bucknam, 116 Powder House Boulevard	1925	1897
5	Alice A. Libbey, 5 Gorham Street	2000	1919
5	Eugenia Carver, 116 Powder House Boulevard	2000	1922
5	Margaret McLeod, 25 Fairmount Avenue	2000	1923
5:4	Stella G. Bucknam, 35 Curtis Avenue	2000	1917
4	Mildred H. Lunt, 176 Powder House Boulevard	1925	1926
4	Mrs. Natalie B. Plant, 2280 Mass. Ave., Cambridge	1775	1928
3	Dorothy Levy, 57 Josephine Avenue	1625	1926
3	Eliza I. Patterson, 116 Powder House Boulevard	1900	1919
3	E. Mildred Milner, 103 Electric Avenue	2000	1920
3	Alice Campbell, Cadet, 26 Garrison Avenue	800	1928
3	Mrs. Nettie M. Humiston, 43 Fairmount Avenue	1925	1920
2	Almena J. Mansir, 77 Albion Street	1700	1899
2	Gladys G. Stone, 1 Fellsway East, Malden	1750	1924
2	Pauline Emery, 16 Winter Street	1925	1925
1	Evelyn G. Stern, 4 Billingham Street	1400	1928
1	Mildred Lougee, 12 Remington St., Cambridge	1775	1928
1	Mary L. McKenna, 294 Lowell Street	2000	1915
1	Eleanor E. Waldron, 135 Powder House Boulevard	1900	1919
Kdgn.	Mrs. Dorothea G. Lamb, 90 Curtis Street	2000	1921
Asst.	Dorothy Waters, 88 Bay State Avenue	1400	1928

LINCOLN SCHOOL

Broadway near Teele Square

Grade	Name and Residence	Salary	Began Service
	Harlan P. Knight, Master, 22 Hamilton Road	.....	1897
2	Olevia M. Woods, 13 Garrison Avenue	\$2100	1908
4	Eileen M. Bailey, Cadet, 7 Dow Street	800	1928
3	Isabel G. Porter, Cadet, 36 College Avenue	800	1928
1	Dorothy M. Fay, 77 Fayerweather St., Cambridge	1600	1925

Table 29—Teachers in Service, January, 1930—Continued

MARTHA PERRY LOWE SCHOOL			
Morrison Avenue, near Grove Street			
Grade	Name and Residence	Salary	Began Service
	George I. Bowden, Master, 92 Monument St., W. Medford	.....	1908
4	May E. Small, 124 Orchard Street	\$1850	1900
4	Marion A. Cannon, 16 James Street	1300	1928
3	Maude C. Valentine, 1098 Broadway	1700	1901
3	Mrs. Jane M. Taaffe, 159 Morrison Avenue	2000	1888
2	Katherine E. Hourahan, 94 College Avenue	2000	1892
2	Clara G. Hegan, 100 School Street	2000	1897
1	Octavia A. Stewart, 15 Kenwood Street	1825	1917
1	Selena G. Wilson, 11 Irving Street	1700	1922

EVENING SCHOOL PRINCIPALS

	Per Evening
Joseph S. Hawthorne, High	\$7.00
Francis A. Ryan, Bell and Cliff	6.00
Mary H. Brown, Practical Arts for Women	6.00

CADETS

1929-1930

	Salary
Mary A. Ahern, 21½ Allston Street	\$800
Eileen M. Bailey, 7 Dow Street	800
Mary Brady, 33½ Adrian Street	800
Alice E. Campbell, 26 Garrison Avenue	800
Helen R. Haley, 30 Partridge Avenue	800
Patricia Harding, 18 Gilman Terrace	800
Marjorie Menard, 11 Kensington Avenue	800
Isabelle G. Porter, 36 College Avenue	800
Anne C. Sheridan, 23 Electric Avenue	800
Margaret Sliney, 88 Glen Street	800
Loretta M. Tansey, 108 Bromfield Road	800

1929-1931

Mary J. Basile, 160 Washington Street	\$600
Helen E. Carroll, 37 Ames Street	600
Frances C. Chandler, 11 Tennyson Street	600
Isobel M. Cheney, 53 Oliver Street	600
Flora Gordon, 88 Albion Street	600
Muriel J. Jex, 34 Cambria Street	600
Alice M. Johnson, 45 Kingston Street	600
Agatha E. Kelly, 207 Broadway	600
Muriel P. King, 77 Wheatland Street	600
Gertrude O. Kohler, 87 Wheatland Street	600
Anne M. McCarthy, 58 Ibbeston Street	600
Marion C. Moran, 42 Montrose Street	600
Ruth E. Sibley, 42 Oxford Street	600
Lillian C. Sigel, 52 Dimick Street	600
Loretta M. Sousa, 358 Lowell Street	600

SUPERVISORS AND SPECIAL TEACHERS

Grade	Name and Residence	Salary	Began Service
	Music		
	Harry E. Whittemore, Director, 42 Powder House Blvd.	\$3000	1926
6 1	Mrs. Charlotte D. Lawton, 121 St. Stephen St., Boston	2400	1898
12 7	James M. Clark, 15 James Street	1800	1929

Table 29—Teachers in Service, January, 1930—Continued

		Name and Residence	Salary	Began Service
Grade		Drawing		
9	1	Elfrida V. Callister, 30 Kimball Road, Arlington	2250	1925
		Penmanship		
9	1	Ruth L. Whitehouse, 173 Highland Avenue	2200	1915
		Sewing		
		Mary Henleigh Brown, Supervisor, 162 Highland Avenue	*200	1913
6	5	Mary L. Boyd, 189 Willow Avenue	1850	1888
6	5	Mrs. Emma J. Wayland, 59 Marshall Street	1700	1900
6	5	Mary Rhilinger, 11 Dorset St., Dorchester	1200	1926
		Manual Training		
		Harry L. Jones, Supervisor, 77 Lincoln Road, Medford	†200	1911
		Physical Instruction		
12	1	§†Ernst Hermann, 105 Tyler Terr., Newton Center	1750	1914
12	7	Charles A. Dickerman, 81 Willow Avenue	3000	1925
9	1	Alice F. Morgan, 71 Park Street	1875	1925
* Additional to salary as Director of Household Arts Courses. † Additional to salary as Principal of Boys' Vocational School. §† Part time; leave of absence for year.				
		Atypical		
		Mary A. Holt, 13 Pleasant Avenue	1825	1899
		†Mrs. Bertha M. Morton, 62 Highland Avenue	1750	1902
		Helen J. Dervan, 75 Crest Ave., Winthrop	1300	1928
		Julia M. Riordan, 165 Albion Street	2050	1914
		Alice M. Hayes, 9 Pembroke Street	2050	1913
		Mrs. Fernell B. Houghton, 284 Grove St., Melrose	1750	1926
		Mrs. Margaret M. Kuhn, 45 Dartmouth Street	1875	1928
		Mrs. Lillian R. Cooney, 17 Channing Road, Belmont	1500	1929
† On leave of absence.				
		Sight Saving		
		Mrs. Amy F. Woodbury, 83 Pearson Road	\$2050	1917
		Lip Reading		
		Elizabeth M. Warren, 1126 Boylston St., Boston	\$2075	1897
		Thrift		
		E. Bella Weisman, 17a Melvin Street	\$2100	1921
		Dorothea Hanscom, 2 Austin Street	1200	1929
		Band		
		Wesley A. Maynard, 40 Vinal Avenue	2100	1925
		Americanization		
		Mary A. Whitney, 10 Dow Street	\$2350	1916
		Marie Flynn, 9 Waldo Street	1300	1928

TABLE 30.—OFFICERS, ETC., IN SERVICE JANUARY, 1930

Name and Residence	Salary
Superintendent and Secretary	
Everett W. Ireland, 137 Powder House Boulevard	\$6000
Assistant Superintendent	
Walter P. Sweet, 71 Hume Ave., Medford	4000
Clerks	
Mary A. Clark, 15 Pleasant Avenue	1754
Mildred A. Merrill, 26 Cambria Street	1589
Marion E. Marshall, 30 Gilman Street	1589
Regina Truelson, 38 Rogers Avenue	\$27.50 per week
Alice I. Amidon, 27 Gorham Street	25.50 per week
Bernice A. Tuck, 95 Belmont Street	23.50 per week
Anita Sumner, 276 Summer Street	15.00 per week
Supervisors of Attendance	
Benjamin R. Jones, 26 Electric Avenue	\$2200
Alfred J. McDonald, 36 Lincoln Parkway	2000
Joseph S. Nangle, 29 Highland Road	2000
Visiting Teacher	
Rose J. Cairnes, 10 Mossland Street	1700

TABLE 31.—SCHOOL JANITORS, JANUARY, 1930

School	Name	Residence	Weekly Salary
High, assistant	Jeremiah M. Brennan	44 Radcliffe Rd.	\$32.50
High, assistant	John N. Quirk	64 Marion St.	31.50
High, assistant	Joseph McCormack	52 Mansfield St.	31.50
High, assistant	Charles Hoyt	60 Vernon St.	35.50
High, assistant	William L. McLane	25 Clark St.	31.50
High, assistant	Thomas Copithorne	23 Gordon St.	31.50
High, assistant	William P. Sloane	48 Line St.	34.00
High, assistant	Edward J. Barbour	43 Michigan Ave.	31.50
High, Gymnasium	James F. Crowley	1 Fremont Ave.	32.00
High, Central Heating Plant	Patrick Savage	55 Hinckley St.	35.50
Prescott	Martin J. Frazer	95 Heath St.	40.00
Prescott	James J. Quirk	199 Broadway	34.00
Hanscom	Anthony Farrington	15 Dimick St.	35.50
Boys' Vocational	John J. Feeney	7 Dickinson St.	33.00
Bennett	Charles B. Kelly	37 Clark St.	32.50
Baxter	Michael Mullaney	7 Greene St.	35.00
Knapp	Jeremiah J. Sullivan	60 Newton St.	30.00
Perry	Maurice T. Mullins	13 Fremont Ave.	37.50
Pope	Dan'l E. Cunningham	15 Leland St.	30.00
Southern Junior High	John J. Kilty	38 Columbus Ave.	35.00
Southern Junior High	William F. Meskill	30 Warren Ave.	38.00
Southern Junior High	George J. Kelley	10 Nevada Ave.	32.00
Cummings	John T. Donovan	35 Rossmore St.	32.00
Edgerly	Royal W. Brenize	147 Central St.	28.00
Glines	Charles P. Horton	26 Everett Ave.	35.00
Northeastern Jr. High	Nicholas J. Lacey	327 Washington St.	36.00
Northeastern Jr. High	Jeremiah J. Canniff	47 Spencer Ave.	38.00
Northeastern Jr. High	Joseph Binari	14 Evergreen Sq.	32.00
Forster	John F. O'Connell	112 Central St.	30.00
Continuation	James A. Cunniff	54 Thurston St.	35.00
Bingham	Louis F. Conti	3 Sargent Ave.	34.00
Carr	John F. O'Brien	335 Lowell St.	38.00
Morse	Patrick L. Delmore	51 Ibbetson St.	41.00
Proctor	John W. Cremen	69 Oxford St.	35.50
Durell	Vincent J. Burke	9 Homer Sq.	32.00
Burns	Ellsworth C. Lundgren	93 Lowden Ave.	28.00
Brown	Charles J. Elkins	14 Holyoke Rd.	31.50
Highland	James J. Cooper	105 Willow Ave.	33.00
Hodgkins	Michael F. King	25 Bowdoin St.	35.00
Western Junior High	Joseph A. McNeill	277 Medford St.	36.00
Western Junior High	James T. Eddy	1045 Broadway	41.00
Cutler	George A. Givan	102 Lexington Ave.	34.50
Cutler	Thomas J. Flynn	4 Charles St.	31.50
Lincoln	Earl R. March	121 Ten Hills Road	37.00
Lowe	Joseph Farrington	7 School St.	28.00
	Walter M. Burns	23 Avon St.	31.50

REPORT OF THE STREET COMMISSIONER

Office of the Street Commissioner

City Hall, Somerville, January 1, 1930.

To His, Honor, the Mayor, and the Board of Aldermen:—

Gentlemen:— I most respectfully submit the fifty-fourth annual report, containing a brief summary of the principal work performed by the Highway Department, by day labor and contract, during the year 1929 with recommendations for necessary additions the coming year.

This department has charge of the construction, alteration, repair, maintenance, and management of ways, streets, sidewalks and bridges; the setting out and care of shade trees; the suppression of gypsy and brown tail moths, elm leaf beetles and other pests which destroy trees; and the oiling and watering of streets.

Highway Department Appropriations

	Appropriations	Expenditures
Highway Maintenance	\$143,498 36	\$142,069 36
Sidewalks Maintenance	21,910 00	21,848 68
Street Sprinkling	33,490 00	33,088 38
Street Cleaning	29,600 00	29,356 22
Suppression of Moths	5,200 00	5,040 22
Care of Trees	9,000 00	8,991 90
New Streets	62,229 07	59,543 26
Permanent Pavement	167,126 76	167,094 05
Sidewalks Construction	13,053 65	12,306 82
Reconstruction and Resurfacing	25,619 88	\$25,551 88
	<hr/>	<hr/>
	\$510,727 72	\$504,890 66

There is no greater influence for the progress of a city than the building of good roads. Somerville is doing her part in the improvement of roads.

1929

Highway Maintenance

Appropriations	\$98,500 00
Credits	44,998 36
	<hr/>
	\$143,498 36

Street Commissioner	\$ 3,800 00
Bookkeeper-clerk	3,907 26
Telephones	277 45
Office expenses	256 35
Equipment and repairs	1,948 31
Harnesses	989 04
Tools and machinery	4,276 45
Steam rollers	406 72
Crusher maintenance	357 70
Mixers	137 97
New automobiles	1,594 00
Auto maintenance	10,770 71
Stable expenses	7,419 97
Hay, grain and feed	6,092 60
Shoeing and veterinary	1,934 02
Fuel	209 40
Emergency calls	1,576 76
Repairs to streets, gutters and crossings	21,655 24
Repairs to subways	973 36
Bridges and approaches	796 59
Care of highway property	1,012 43
Widening street Broadway-Fellsway	1,197 38
Lanterns and traffic signs	5,163 38
Stop signal maintenance	1,906 09
Snow and ice	20,744 25
New tractor and plow	900 00
Street signs	2,442 72
Sawing wood	1,576 76
Holidays and vacations	12,361 40
Driveways	4,458 06
Charges to other departments	10,283 74
Bills receivable	716 28
Materials for other appropriations	9,926 81
Balance	1,429 11
	<hr/>
	\$143,498 36

Snow and Ice

Motor vehicles require that streets are clear day and night. Automobilists must be assured of open roads. This department is fairly equipped for snow removal. I recommend the purchase of a snow remover.

This department cares for the sidewalks around all public buildings and grounds, and removes snow from streets on request where there is to be a funeral, wedding or party.

Warning signs were erected and ashes spread at the foot of hills where coasting was allowed.

\$20,744.25 was expended for the removal of snow and ice. 4,347 cubic yards of snow and ice were removed.

105 cubic yards of sand and 331 cubic yards of ashes were used in caring for icy sidewalks, streets and crossings.

Bridges

The bridges are in good condition. The new bridge on Cross street and the overhead bridge on Washington street have been completed. The city government passed an order to construct an overhead foot bridge at the Kent street subway.

Street Railways

The Boston Elevated Railway Company reconstructed the tracks at the new Cross street bridge, at the junction of Highland avenue and Medford street and on Washington street from the Northern arteryway to near Union Square. The tracks on Bow street, Newton street, Concord square and Springfield street should be removed as this car line has been abandoned.

Underground Wires

There was no construction of conduits in the city this year.

Crushed Stone

Crushed stone purchased during the year:—

25 tons	\$1.50 from Coleman Brothers.
15 tons	2.00 from Coleman Brothers.
16 tons	2.60 from Coleman Brothers.
531 tons	2.25 from R. H. Ducey Co.
4,736 tons	2.00 from R. H. Ducey Co.
21 tons	1.70 from R. H. Ducey Co.

The portable crusher was used to crush old paving blocks and concrete.

Sidewalks Maintenance

Considerable work was done with the extra \$10,000.00 appropriated to this account. This money was used to remove old brick sidewalks and substitute granolithic, the work being distributed throughout the city.

Police reports pertaining to all kinds of defective sidewalks were promptly attended to and charged to this account.

2,000 linear feet of edgestone were reset.
544 square yards of brick sidewalks relaid.
329 square yards of granolithic sidewalks relaid.
301 square yards of gutters relaid.

\$21,848.68 was expended for Sidewalks Maintenance.

Street Sprinkling

The car sprinkler cares for all streets where car tracks are located. This car is furnished by the American Car Sprinkler Company for \$975.00 a month and operated seven days a week. The other streets are watered or tarred by the employees of the department. Nearly all streets are given a surface treatment in the spring of the year, thus preserving them from wear. Cold tar was purchased from the Barrett Mfg. Company for \$.084 per gallon delivered to our tanks at the city yard. 138,415 gallons were used.

\$33,088.38 was expended for Street Sprinkling.

SIDEWALKS MAINTENANCE 1929

Sidewalks where granolithic was substituted for brick.

Street	Location	Cost
Bow street	In front estate Prospect Hill Congregational Church.....	\$316.36
Broadway	In front estates Nos. 169-179 Inc.	701.93
Broadway	From estate Somerville Trust Co. to No. 298 Inc.	2,226.14
Broadway	In front estates Nos. 153-166 Inc.	635.72
College avenue	In front estate College Ave. M. E. Church	333.68
College avenue	In front estate Second Unitarian Church	174.31
Cross street	E'ly side, Boston & Maine R. R. to Tufts street	281.07
Highland avenue	Davis square to Highland Ave. where not already laid	704.78
Elm street	Day street to Chester street where not already laid	498.29
Medford street	In front estates 494-507 Inc., 507-527 Inc., 512-538 Inc.,.....	1,358.09
Somerville avenue	From Prospect street to near Linden street.....	2,233.56

Street Cleaning

"Where real progress is sought, when better homes, business and citizens are wanted, street cleaning must not be regarded lightly. It is one of the most important factors of municipal life."

In the near future all street cleaning will probably have to be done at night on account of the increased automobile traffic in our city.

5,448 cubic yards of street sweepings were removed.

\$29,356.22 was expended for Street Cleaning.

Suppression of Moths

This department cares for all trees both public and private in regard to moths. The moth situation in our city is well under control. No brown tail moth nests were found last year. We are troubled with the tussock moth but are keeping them under control.

The department should have a new motor spraying machine.

8,179 street trees were inspected and cared for.

18,425 private trees were inspected and cared for.

10,657 bushes were found moth infested.

2,110 fences and buildings on which moths nested.

57,160 gypsy moth nests were painted with creosote.

2,512 satin moth nests were painted with creosote.

56,773 tussock moth nests were destroyed.

15,402 tent moth nests were destroyed.

\$5,040.22 was expended for the Suppression of Moths.

Shade Trees

Shade trees are a great asset to the appearance of a city. Many have had to be removed being dead or dangerous, I think the city should purchase new trees to take the place of those removed.

44 trees were set out.

210 trees were removed.

169 trees were trimmed by request.

22 tree guard and supports were installed.

\$8,991.90 was expended for the Care of Trees.

NEW STREETS CONSTRUCTED IN 1929

Street	From	To	Cost
Bradford avenue	School street	S'Ely to dead end	\$1,707.86
Crest Hill road	Ten Hills road	Shore drive	2,788.88
Crown street	Lowell street	Porter street	7,771.42
Forster street	Sycamore street	Central street	5,005.19
Garrison avenue	Accepted portion	Hooker avenue	5,152.90
Laurel terrace	Laurel street	Dead end	2,633.07
Melville road	Ten Hills road	Shore drive	3,094.41
Puritan road	Temple road	Shore drive	7,380.93
Putnam road	Temple road	Shore drive	7,409.25
Ten Hills road	Bailey road	Puritan road	3,670.42
Ten Hills road	Temple road	Shore drive	6,776.63

PERMANENT PAVEMENT 1929

Street	From	To	Material	Cost
Broadway, S'Wly side	Cross street	Charlestown line	Warrenite	\$17,246.05
College avenue	Davis square	Powder House square	Warrenite	32,508.48
Medford street, widening	Hamlet street	Northern arteryway	Warrenite	43,416.49
Powder House Boulevard	North street	Dow street	Warrenite	13,078.76
Somerville avenue	Union square	Northern arteryway	Granite block	15,458.71
Washington street	Union square	Northern arteryway	Granite block	36,582.86

SIDEWALKS CONSTRUCTION 1929

Street	Location	Cost
Clarendon avenue	In front estates Nos. 50 to 56 Inc.	\$ 267.97
Flint avenue	Both sides, Flint street to dead end	648.82
Farragut avenue	N'Wly side, Broadway to Hooker avenue	2,700.70
Farragut avenue	S'Wly side, in front estates Nos 50 to 72 Inc.	1,372.36
Forster street	S'ly side, Central street to Sycamore street	577.80
Garrison avenue	Broadway to Hooker avenue where not laid	971.68
Gordon street	S'Wly side, Alewife Brook Pkwy. to North street	2,149.03
High street	N'Ely side, North street to No. 9 Inc.	271.51
Main street	Broadway to No. 29 Inc.	727.72
Malvern avenue	N'Ely side, Edgestone and gutter, entire length	1,574.42
Washington street	S'ly side, Beacon St. to Line st., and Beacon St. In front estates 122 to 128·Inc.	1,010.00

RECONSTRUCTION AND RESURFACING 1929

Street	From	To	Cost
Ellsworth street	Cross street	Rush street	\$1,371.15
Grove street	Highland avenue	Elm street	2,456.33
Henry avenue	Highland avenue	Lexington avenue	1,738.98
Lee street	Medford street	Richdale avenue	2,189.67
Linden avenue	Summer street	Elm street	7,449.56
Sycamore street	Highland avenue	B. & M. R. R. bridge	4,348.47
Trull street	Medford street	Vernon street	5,997.72

Highway Construction—New Streets

Six new streets were constructed during the year under the Betterment Act, by contract:—

Setting edgestones 60c per linear foot.

Gutter construction \$3.50 per square yard.

Construction of macadam roadway with Asphalt top \$1.60 per square yard.

The city furnished the edgestone delivered on the line of work for \$1.03 per linear foot, and also the asphalt for \$.151 per gallon.

Five new streets were constructed by City Employees.

Seven new streets were accepted this year.

\$59,543.26 was expended for New Streets.

Sidewalks Construction

All the granolithic sidewalks were constructed by the department employees at a cost of \$3.05 per square yard, including excavation and all materials.

There are several sections on our main streets that should be completed with granolithic.

Miles of edgestone, granolithic, brick and gravel sidewalks in the city:—

Edgestones	161.202 miles
Gravel sidewalks	17 861 miles
Brick sidewalks	67.757 miles
Granolithic sidewalks	65.173 miles

\$12,306.82 was expended for Sidewalks Construction.

Highway Construction—Permanent Paving

All permanent pavement was constructed on a concrete base by contract. "Build roads so that the user will save more in operating than he pays for license and gasoline tax."

\$167,094.05 was expended for Permanent Pavement.

Reconstruction and Resurfacing

Seven streets were reconstructed or resurfaced this year by city employees.

\$25,551.85 was expended for Reconstruction and Resurfacing.

Miscellaneous

- 64 granolithic driveways constructed.
- 44 brick driveways constructed.
- 32 edgestones dropped for driveways.
- 2 driveways extended.
- 3 driveways discontinued.
- 1 horse died.
- 104 accident reports received.
- 1512 police reports received.
- 903 brick and granolithic sidewalks repaired.
- 1301 miscellaneous reports and requests.
- 394 streets cleaned by request.
- 63 notifications to and from other departments and corporations.
- 6030 cubic yards of sand and gravel used.
- 9411 cubic yards of dirt removed.
- 3450 cubic yards of ashes used.
- 396 cubic yards of old macadam used.
- 1678 barrels of Portland cement used.
- 15 cubic yards of loam used.
- 58 requests from aldermen attended to.
- 39 requests from the Mayor attended to.

Driveways are constructed, discontinued, relocated or extended at the expense of the petitioners.

The department maintains its own municipal repair shop for the different lines of work.

I have attended meetings of the Public Works, Mayor Conwell as Chairman, Public Works Committee and the Board of Aldermen for consultation regarding work and petitions.

Traffic Control

The City Government passed new traffic regulations which will be a great help in the control of automobile traffic. Traffic lines were painted where needed and danger signs erected.

- 33 danger and traffic signs erected.
- 27 new street signs erected.
- 160 signs repainted.

When requested this department places sickness signs on the streets notifying the public to make no noise.

Permits

There were during 1929:—

- 52 permits issued to the Cambridge and Charlestown Gas Cos.
- 44 permits issued to cross sidewalks.
- 460 permits issued to occupy streets and sidewalks.
- 101 drain layers permits.
- 666 water department openings.
- 152 permits to open streets and sidewalks.

Recommendations

In conjunction with the improvements on Central Hill. I most respectfully recommend that granolithic sidewalks be substituted for the old brick sidewalk on Highland avenue from Walnut street to the City Hall driveway. That the paving on Medford street from the Northern Arteryway to the Cambridge line and on Washington street from the Northern Arteryway to Joy street be recut and grouted on a concrete base. The purchase of a snow and gravel loader and a tractor steam shovel.

The car tracks on Bow street, Newton street, Concord square and Springfield street should be removed and the track area paved with permanent paving.

I wish to extend my sincere thanks to all for their support and co-operation.

Respectfully submitted,

ASA B. PRICHARD,

Street Commissioner.

TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS

Street	From	To	Public or Private	Width in Feet		Length Public Private	
Abdell	Somerville ave.	Southwesterly	Private	25	.....	203	
Aberdeen rd.	Cedar st.	Highland ave.	Public	40	432	.....
Aberdeen rd. ex.	Angle	Westerly	Private	30	.....	52	
Acadia pk.	Somerville ave.	Northeasterly	Public	40	256	.....
Adams	Broadway	Medford st.	Public	40	907	.....
Adelaide rd.	Somerville ave.	Northeasterly	Private	20	.....	138	
Adrain	Marion st.	Joseph st.	Public	40	579	.....
Albion pl.	Albion st.	Northeasterly	Private	10	.....	166	
Albion ct.	Albion st.	Southeasterly	Private	16	.....	116	
Albion	Central st.	Cedar st.	Public	40	2,733	.....
Albion	Broadway	Medford line	Private	50	.....	100	
Albion ter.	Albion st.	Southwesterly	Public	25	100	.....
Aldersey	Walnut st.	Vinal ave.	Public	40	508	.....
Aldrich	Northern artery	B. & L. R.R.	Public	40	417	.....
*Alewife Brk Pky	Mystic Val. pky.	Cambridge line	Public	.....	4,775	.....
Alfred	Broadway	Medford line	Private	50	.....	50	
Allen	Somerville ave.	Charlestown st.	Public	25	640	.....
Allen ct.	Park st.	Northwesterly	Private	20	.....	150	
Alpine	Cedar st.	Southeasterly	Public	30	667	.....
Alpine	Alpine st.	Lowell st.	Public	40	688	.....
Alston	Cross st.	Shawmut st.	Public	40-30	757	.....
Ames	Bartlett st.	Robinson st.	Public	40	580	.....
Appleton	Willow ave.	Liberty ave.	Public	40	668	.....
Arlington	Franklin st.	Lincoln st.	Public	40	452	.....
Arnold ave.	Porter st.	Southeasterly	Private	15	.....	127	
Arnold ct.	Beacon st.	Northeasterly	Private	10	.....	115	
Arthur ct.	Linden st.	Easterly	Private	about 10	.....	100	
Arthur	Broadway	Bonair st.	Public	40	438	.....
Ash ave.	Meacham st.	East Albion st.	Public	40	554	.....
†Ash ave.	East Albion st.	Northeasterly	Private	40	.....	151	
Ashland	Summer st.	Sartwell ave.	Public	30	478	.....
Atherton	Central st.	Spring st.	Public	40	741	.....
Auburn ave.	Cross st.	No. Art.d'dend	Public	30	479	.....
Austin	Broadway	Mystic ave.	Public	40	716	.....
Autumn	Broadway	Bonair st.	Public	20	408	.....
Avon	School st.	Central st.	Public	40	1,360	.....
Avon pl.	Cross st.	B. & L. R.R.	Private	25	.....	150	
Bailey rd.	Ten Hills rd.	Shore drive	Public	40	1,710	.....
Bailey rd. ex.	Fellsway	Ten Hills rd. ex.	Across State land	40	57	.....
Bailey	North st.	West Adams st.	Public	40	420	.....
Banks	Elm st.	Summer st.	Public	40	639	.....
Bartlett	Vernon st.	Broadway	Public	40	1,550	.....
Barton	Broadway	Hamilton rd.	Public	40	332	.....
Bay State ave.	Broadway	Foskett st.	Public	40	1,240	.....
Beach ave.	Webster ave.	Columbia st.	Private	about 20	.....	200	
Beacon pl.	Beacon st.	Northeasterly	Private	15	.....	200	
Beacon	E. Cambridge line	Somerville ave.	Public	66	6,079	.....
Beacon ter.	Somerville ave.	Northeasterly	Private	24	.....	110	
Bean ter.	Cutter st.	Southeasterly	Private	16	.....	100	
Beckwith cir.	Beacon st.	Southwesterly	Private	28.5	.....	112	
Bedford	South st.	Cambridge line	Public	30	165	.....
Beech	Somerville ave.	Atherton st.	Public	40	327	.....
Belknap	Broadway	Hamilton rd.	Public	40	449	.....
Bellevue ter.	Albion st.	Northeasterly	Private	20	.....	90	
Belmont	Somerville ave.	Highland ave.	Public	40	2,176	.....
Belmont pl.	Belmont st.	Southeasterly	Public	25	177	.....
Belmont sq.	Belmont st.	Southeasterly	Public	30	75	.....
Belmont sq.	End of above	N. E. & S. W.	Public	20	145	.....
Belmont ter.	Belmont st.	Easterly	Private	15	.....	137	
Benedict ave.	Broadway	Benedict st.	Private	20	.....	200	
Benedict	Union st.	Austin st.	Public	40	581	.....

* Metropolitan Park Commission Boulevard.

† Proposed.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet		Length Public Private	
Bennett ct.	Bennett st.	Prospect st.	Private	10	.....	100	.....
Bennett	Prospect st.	Bennett ct.	Private	40 to 25	.....	400	.....
Benton rd.	Summer st.	Hudson st.	Public	40	1,208	.....	.....
Berkeley	School st.	Central st.	Public	40	1,360	.....	.....
Berwick	Hinckley st.	Northwesterly	Private	20	.....	170	.....
Bigelow	Boston st.	Munroe st.	Public	50	208	.....	.....
Billingham	Broadway	William st.	Public	40	563	.....	.....
Bishop's pl.	Glen st.	Easterly	Private	10	.....	75	.....
Blakeley ave.	Cross st.	Northern artery	Private	40	.....	605	.....
Bleachery ct.	Somerville ave.	Fitchburg R.R.	Private	30	.....	450	.....
Bolton	Oak st.	Houghton st.	Public	40	476	.....	.....
Bonair	Cross st.	Walnut st.	Public	40	1,427	.....	.....
Bond	Broadway	Jaques st.	Public	40	662	.....	.....
Bonner ave.	Washington st.	Columbus ave.	Public	40	376	.....	.....
Boston ave.	Medford line	Mystic river	Public	60	915	.....	.....
Boston ave.	Broadway	Medford line	Public	50	80	.....	.....
Boston ave.	Broadway	Highland rd.	Public	65	287	.....	.....
Boston ave.	Highland rd.	Angle	Public	50	655	.....	.....
Boston ave.	Angle	Morrison ave.	Public	40	1,025	.....	.....
Boston	Washington st.	Prospect Hill ave.	Public	45	640	.....	.....
Boston	Prospect Hill av.	Walnut st.	Public	40	1,242	.....	.....
Bow	Union sq.	Wesley sq.	Public	60	658	.....	.....
Bow	Wesley sq.	Somerville ave.	Public	50	570	.....	.....
Bow st. pl.	Bow st.	Northwesterly	Private	40	.....	300	.....
Bowdoin	Washington st.	Lincoln pk.	Public	40	341	.....	.....
Bowers ave.	Cottage ave.	Elm st.	Private	24	.....	283	.....
Bradford ave.	School st.	Southeasterly	Public	37	162	.....	.....
Bradley	Pearl st.	Walter st.	Public	40	762	.....	.....
Braemore rd.	Broadway	Medford line	Private	40	.....	2	.....
Brastow ave.	Lowell st.	Porter st.	Public	40	686	.....	.....
Bristol rd.	Broadway	Medford line	Public	40	146	.....	.....
Broadway	Charlest'n line	Cross st.	Public	100	2,500	.....	.....
Broadway	Cross st.	Marshall st.	Public	100 to 200	2,060	.....	.....
Broadway	Marshall st.	Main st.	Public	100	1,570	.....	.....
Broadway	Main st.	Top of hill	Public	100 to 90	1,030	.....	.....
Broadway	Top of Hill	Albion st.	Public	90	2,540	.....	.....
Broadway	Albion st.	Willow ave.	Public	90 to 70	1,030	.....	.....
Broadway	Willow ave.	Paulina st.	Public	70	3,250	.....	.....
Broadway	Paulina st.	Arlington line	Public	65-60-65	3,220	.....	.....
Broadway pl.	Broadway	Southwesterly	Private	22	.....	250	.....
Bromfield rd.	Warner st.	Dearborn rd.	Public	40	1,262	.....	.....
Brook	Glen st.	Cross st.	Public	40	504	.....	.....
Browning rd.	Sycamore st.	Central st.	Public	40	679	.....	.....
Buckingham	Beacon st.	Dimick st.	Public	40	292	.....	.....
Buena Vista rd.	Holland st.	Southwesterly	Private	35	.....	276	.....
Burnham	Broadway	Pow. House Bl.	Public	40	543	.....	.....
Burnside ave.	Elm st.	Summer st.	Public	40	720	.....	.....
Cady ave.	Simpson ave.	W. side Corinthian rd.	Public	40	158	.....	.....
Cady ave.	Corinthian rd.	Dead end	Private	40	.....	45	.....
Caldwell ave.	Washington st.	Southerly	Private	20	.....	210	.....
Calvin	Beacon st.	Dimick st.	Public	40	263	.....	.....
Calvin	Dimick st.	Washington st.	Public	30	392	.....	.....
Cambria	Central st.	Benton rd.	Public	40	488	.....	.....
Cameron ave.	Holland st.	Cambridge line	Public	60	1,065	.....	.....
Campbell pk.	Meacham rd.	Kingston st.	Public	40	399	.....	.....
Campbell Pk. pl.	Kingston st.	Arl'ton Br. R.R.	Private	20	.....	84	.....
Capen	Medford line	Mystic Val pk'y	Private	40	.....	495	.....
Carlton	Somerville ave.	Lake st.	Public	40	300	.....	.....
Carter ter.	Summer st.	Easterly	Public	40	171	.....	.....
Caruso pl.	Medford st.	Northwesterly	Private	10	.....	110	.....
Carver	Porter st.	Northwesterly	Private	40	.....	156	.....
Cedar ave.	Cedar st.	Linden ave.	Public	22	293	.....	.....
Cedar ct.	Cedar st.	Southeasterly	Private	15+	.....	70+	.....
Cedar St. pl.	Murdoch st.	Southwesterly	Private	20	.....	373	.....
Cedar St. pl.	Cedar N Elm st.	Southeasterly	Private	12+	.....	80+	.....

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length Public Private
Cedar	Elm st.	Broadway	Public	40	4,137
Central rd.	Central st.	E'ly and N'ly	Public	40	377
Central rd.	Central rd.	Sycamore st.	Public	30 to 15	221
Central	Somerville ave.	Summer st.	Public	33	1,043
Central	Summer st.	Medford st.	Public	40	2,534
Central	Medford st.	Broadway	Public	45	1,072
Centre	Albion st.	B. & L. R.R.	Private	35	..... 200
Century	Meacham st.	Dead end	Public	40	431
Chandler	Park ave.	Broadway	Public	40	1,232
Chapel	College ave.	Chandler st.	Public	40	273
Chapel ct.	Sycamore st.	Northwesterly	Private	12	..... 130
Charles	Washington st.	Southerly	Public	30	166
Charlestown	Allen st.	Merriam st.	Private	15	..... 400
Charnwood rd.	Willow ave.	Hancock st.	Public	40	589
Cherry	Elm st.	Highland ave.	Public	45	1,400
Cherry	Highland ave.	Northeasterly	Private	45	..... 110
Chester	Elm st.	Cambridge line	Public	40	885
Chester ave.	Cross st.	Northern artery	Public	20	472
Chester pl.	Chester st.	Northwesterly	Private	40	..... 200
Chestnut	Poplar st.	Scutheasterly	Public	40	537
Chetwynd rd.	Curtis st.	West Adams st.	Public	40	852
Church	Summer st.	Lake st.	Public	40	964
City rd.	Broadway	Cedar st.	Private	45	..... 980
Claremon	Holland st.	Mead st.	Public	40	560
Clarendon ave.	Broadway	Cambridge line	Public	40	1,217
Clark	Newton st.	Lincoln pky.	Public	35	552
Cleveland	Central st.	Harvard st.	Public	40	459
Clifton	Appleton st.	Morrison ave.	Public	40	240
Clifton	Morrison ave.	Arl'ton Br R.R.	Private	40	..... 220
Clyde	Cedar st.	Murdock st.	Public	30	664
College ave.	Davis sq.	Medford line	Public	60	3,894
College cir.	College av. around	to College av.	Private	10 and 12	..... 284
College Hill rd.	Conwell ave.	North st.	Public	40	449
Columbia	Webster ave.	Cambridge line	Public	40	816
Columbia ct.	Columbia st.	Webster ave.	Private	9	..... 150
Columbus ave.	Washington st.	Walnut st.	Public	40	1,481
Concord ave.	Prospect st.	Wyatt st.	Public	40	1,497
Concord ave.	Wyatt st.	Beacon st.	Public	30	472
Congress pl.	Northern artery	Linwood st.	Public	50	182
Conlon ct.	Columbia st.	Easterly	Private	20	..... 200
Connecticut ave.	Mystic ave.	Penn. ave.	Public	40	487
Conwell ave.	Curtis st.	North st.	Public	40	1,346
Conwell	Highland ave.	Southwesterly	Public	35	363
Cooney	Beacon st.	Line st.	Public	30	241
Corinthian rd.	Broadway	Cady ave.	Public	40	580
Cottage ave.	Russell st.	Chester st.	Public	40	550
Cottage cir.	Cottage ave.	Southwesterly	Private	25	..... 87
Cottage pl.	Washington st.	Northwesterly	Private	about 11	..... 150
Craigie	Somerville ave.	Summer st.	Public	50	1,280
Craigie ter.	16 Craigie st.	Westerly	Private	25	..... 126
Crescent	Boston line	Hadley st.	Public	30 and 22	387
Crescent	Hadley st.	Pearl st.	Public	30	174
Crest Hill rd.	Ten Hills rd.	Shore drive	Public	40	250
Crocker	Highland ave.	Crown st.	Public	40	528
Cross	Broadway	Northern artery	Public	45	2,556
Cross st. (East)	Broadway	Mystic ave.	Public	40	1,100
Cross St. pl.	Cross st.	Northwesterly	Private	24	..... 150
Crown	Lowell st.	Porter st.	Public	25	636
Cummings	Fellsway	Middlesex ave.	Private	40	..... 625
Curtis ave.	Curtis st.	Hillsdale rd.	Public	40	654
Curtis	Broadway	Medford line	Public	40	2,276
Cutler	Hinckley st.	Northwesterly	Private	20	..... 170
Cutter ave.	Summer st.	Highland ave.	Public	40	480
Cutter pk.	Cutter ave.	Northwesterly	Private	12	..... 83
Cutter	Broadway	Webster st.	Public	40	730
Central st.	Cypress	Beech st.	Public	40	262

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length	
					Public	Private
Dana	Pearl st.	Bonair st.	Public	35+	732	.....
Dane	Somerville ave.	Washington st.	Public	40	1,341	.....
Dane ave.	Dane st.	Leland st.	Public	30	569	.....
Dante ter.	Craigie st.	Westerly	Private	25	.....	125
Dartmouth	Medford st.	Broadway	Public	40	1,465	.....
Day	Elm st.	Cambridge line	Public	40	908	.....
Dearborn rd.	Boston ave.	College ave.	Public	50	469	.....
Delaware	Pearl st.	Northern artery	Public	40	352	.....
Dell	Glen st.	Tufts st.	Public	40	466	.....
Derby	Temple st.	Wheatland st.	Public	40	991	.....
Dexter	Broadway	Medford line	Private	50	.....	25
Dickinson	Springfield st.	Beacon st.	Public	40	772	.....
Dickson	Broadway	Fairmount ave.	Public	40	271	.....
Dimick	Concord ave.	Calvin st.	Public	40	957	.....
Dix pl.	Linwood st.	Southwesterly	Private	10	.....	100
Douglas ave.	Edgar ave.	Southeasterly	Public	30	162	.....
Dover	Elm st.	Cambridge line	Public	40	975	.....
Dow	Pow. House Bd.	Ware st.	Public	40	257	.....
Downer pl.	Downer st.	B. & L. R.R.	Private	20	.....	125
Downer	Nashua st.	Southeasterly	Private	20	.....	120
Dresden cir.	Cutter ave.	Westerly	Private	30	.....	133
Durant	Washington st.	Southerly	Private	20	.....	200
Durham	Beacon st.	Hanson st.	Public	40	423	.....
Earle	South st.	Northerly	Private	30	.....	332
Earle	End of above	Fitchburg R.R.	Private	15	.....	115
East Albion	Mt. Vernon ave.	E. of Moreland st.	Private	25	.....	188
East Albion	E. of Moreland st.	Moreland	Private	40	.....	77
East Albion	Moreland st.	West side Fremont st.	Public	31	283	.....
East Albion	Fremont st.	Medford line	Private	40	.....	128
Eastman rd.	Highland ave.	Southwesterly	Public	40	296	.....
Edgar ave.	Main st.	Meacham st.	Public	50	850	.....
Edgar ct.	Edgar ave.	Century st.	Public	40	118	.....
Edgar ter.	Edgar ave.	Century st.	Public	40	118	.....
Edmonds	Broadway	near Bonair st.	Public	35-5	376	.....
Edmonton ave.	Cross st.	Northern artery	Private	40	.....	605
Electric ave.	Mason st.	Curtis st.	Public	40	1,314	.....
Eliot	Vine st.	Park st.	Public	40	291	.....
Ellington rd.	Highland ave.	Northeasterly	Private	35	.....	120
Ellington rd.	Ellington rd.	Southeasterly	Private	30	.....	265
Ellsworth	Cross st.	Rush st.	Public	40	230	.....
Elm ct.	Villa ave.	Northwesterly	Private	18	.....	70
Elm pl.	Harvard st.	Westerly	Private	30	.....	190
Elm	Somerville ave.	Cherry st.	Public	63	1,657	.....
Elm	Cherry st.	White st.	Public	63 to 60	205	.....
Elm	White st.	Banks st.	Public	60	526	.....
Elm	Banks st.	Beech st.	Public	60 to 77.5	347	.....
Elm	Beech st.	Tenney st.	Public	77.5 to 60	665	.....
Elm	Tenney st.	Davis sq.	Public	60	1,429	.....
Elmwood	Holland st.	Cambridge line	Public	40	1,057	.....
Elmwood ter.	Elmwood st.	Easterly	Private	20	.....	190
Elston	Elm st.	Summer st.	Public	40	396	.....
Emerson	Everett st.	Newton st.	Private	30	.....	170
Endicott ave.	Broadway	Hooker ave.	Private	40	.....	780
Essex	Medford st.	Richdale ave.	Public	40	232	.....
Eustis	Beacon st.	Cambridge line	Public	30	146	.....
Everett ave.	Cross st.	Northern artery	Public	40	736	.....
Everett	Webster ave.	Newton st.	Private	30	.....	350
Evergreen ave.	Marshall st.	Sycamore st.	Public	40	1,180	.....
Evergreen sq.	Porter st.	Southeasterly	Private	22	.....	179
Exchange pl.	Washington st.	Southerly	Private	4.5	.....	70
Fairfax	North st.	Alewife Bk pky	Public	40	945	.....
Fairlee	Cherry st.	Northwesterly	Public	30	144	.....
Fairmount ave.	Curtis st.	Northwesterly	Public	40	679	.....
Fairview ter.	Sycamore st.	Southwesterly	Private	15	.....	173

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length	
					Public	Private
Farragut ave.	Broadway	Hooker ave.	Public	40	875	.....
*Fellsway	Mystic ave.	Mystic river	Public	70 to 130	2,500	.....
*Fellsway West (Chauncey av.)	Broadway	Mystic ave.	Public	50	1,324	.....
Fennell	Hinckley st.	Northwesterly	Private	20	.....	175
Fenwick	Broadway	Jaques st.	Public	40	601	.....
Fisk ave.	Lowell st.	Hinckley st.	Public	20	484	.....
Fitchburg ct.*	Fitchburg st.	Southeasterly	Private	10	.....	225
Fitchburg	Linwood st.	B. & L. R.R.	Private	40	.....	410
Flint ave.	Flint st.	Northerly	Public	40	202	.....
Flint	Franklin st.	Northern artery (dead end)	Public	40	1,658	.....
Florence	Washington st.	Perkins st.	Public	40	1,248	.....
Florence ter.	Jaques st.	Southwesterly	Private	20	.....	90
Forest	Beacon st.	Cambridge line	Public	40	117	.....
Forster	Sycamore st.	Central st.	Public	30	451	.....
Foskett	Willow ave.	Liberty ave.	Public	40	668	.....
Fountain ave.	Cross st.	Glen st.	Public	30	578	.....
Francesca ave.	College ave.	Liberty ave.	Public	40	762	.....
Francis	Porter st.	Conwell st.	Public	30	180	.....
Franklin ave.	Washington st.	Franklin st.	Public	20	575	.....
Franklin pl.	Franklin st.	Southeasterly	Private	15	.....	100
Franklin	Broadway	Washington st.	Public	40+	2,301	.....
Fremont ave.	Bowdoin st.	Lincoln pk.	Public	30	232	.....
Fremont	Main st.	Nr E Albion st.	Public	40	1,072	.....
Fremont	Nr E Albion st.	E. Albion st.	Private	40	.....	59
Fremont	E. Albion st.	Northerly	Public	40	183	.....
Garden ct.	Somerville ave.	Fitchburg R.R.	Private	25	.....	370
Garfield ave.	Broadway	Blakeley ave.	Public	40	447	.....
Garfield ave.	Blakeley ave.	Middlesex ave.	Private	40	.....	982
Garrison ave.	Broadway	Hooker ave.	Public	40	871	.....
George	Broadway	Lincoln ave.	Public	30	275	.....
Gibbens	Central st.	Benton rd., w'ly	Public	40	625	.....
Giles pk.	Walnut st.	Northwesterly	Public	32.71	167	.....
Gill's ct.	Franklin st.	Westerly	Private	10	.....	100
Gilman	Cross st.	Walnut st.	Public	40	1,430	.....
Gilman ter.	Pearl st.	Northeasterly	Public	40	360	.....
Gilson ter.	Linden ave.	Northwesterly	Private	20	.....	124
Glen	Broadway	Tufts st.	Public	40	2,207	.....
Glendale ave.	Cameron ave.	Yorktown st.	Public	40	410	.....
Glenwood rd.	Vernon st.	Broadway	Public	40	1,514	.....
Glover cir.	Meacham rd.	Southeasterly	Private	20	.....	110
Gordon	North st.	Alewife Bk pky	Public	40	1,254	.....
Gorham	Holland st.	Howard st.	Public	40	763	.....
Gould ave.	Porter st.	Southeasterly	Private	16	.....	156
Gove ct.	Cedar st.	Southeasterly	Private	18	.....	144
Gov. Win'hp rd.	Ten Hills rd.	Shore drive	Public	40	1,527	.....
Gov. Win'hp rd.	Fellsway	Ten Hills rd. ex.	State land	40	83	.....
Grand View av.	Walnut st.	Vinal ave.	Public	40	542	.....
Granite	Somerville ave.	Osgood st.	Public	40	411	.....
Grant	Broadway	Mystic ave.	Public	40	1,364	.....
Greene	Summer st.	Laurel st.	Public	40	555	.....
Greenville	Northern artery	Munroe st.	Public	40	651	.....
Greenville ter.	Greenville st.	Northerly	Private	20	.....	250
Greenwood ter.	Beacon st.	Northeasterly	Private	25	.....	165
Gritter way	College ave.	Bromfield rd.	Private	4	.....	160
Grove	Elm st.	Morrison ave.	Public	40	943	.....
Gussie ter.	Porter st.	Linden ave.	Private	10	.....	312
Hadley ct.	Franklin st.	Westerly	Private	16	.....	7
Hall ave.	College ave.	Liberty ave.	Public	40	926	.....
Hall	Cedar st.	Cherry st.	Public	30	456	.....
Hamlet	Highland ave.	Boston st.	Public	30	616	.....
Hamilton rd.	Russell rd.	North st.	Public	40	560	.....

* Metropolitan Park Commission Boulevard.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet		Length Public Private	
Hammond	Dickinson st.	Concord ave.	Public	40	267	.....
Hancock	Elm st.	Highland ave.	Public	40	1,302	.....
Hancock	Highland ave.	Lexington ave.	Public	50	376	.....
Hanson ave.	Hanson st.	Easterly	Private	30	.....	252	
Hanson	Washington st.	Skehan st.	Public	30	454	.....
Hanson	Skehan st.	Vine st.	Public	35	366	.....
Hardan rd.	Pow House Blv.	Southerly	Public	40	183	.....
Hardan rd.	End of above	Ware st.	Private	20 *	.....	100	
Harding	No. of Ward st.	Cambridge line	Public	30	465	.....
Harold	Dimick st.	Marion st.	Public	40	316	.....
Harold	Woods ave.	Medford line	Private	40	.....	48	
Harrison	Ivaloo st.	Kent st.	Public	40	644	.....
Harrison	Elmwood st.	Southeasterly	Private	40	.....	210	
Harvard pl.	Harvard st.	Westerly	Private	35	.....	200	
Harvard	Summer st.	Beech st.	Public	40	717	.....
Hathorn	Broadway	Arlington st.	Public	40	339	.....
Hawthorne	Willow ave.	Cutter ave.	Public	30	807	.....
Hawkins	Somerville ave.	Washington st.	Public	40	330	.....
Hayden ter.	Linden ave.	Easterly	Private	20	.....	120	
Heath	Temple st.	Bond st.	Public	45	1,043	.....
Heath	Bond st.	Moreland st.	Public	40	754	.....
Henderson	Richardson st.	B. & L. R.R.	Public	20	569	.....
Hennessy ct.	Medford st.	Fisk ave.	Private	20	.....	250	
Henrietta ct.	Somerville ave.	Northerly	Private	8 and 20	.....	161	
Henry ave.	Highland ave.	Lexington ave.	Public	40	290	.....
Herbert	Chester st.	Day st.	Public	40	337	.....
Hersey	Berkeley st.	Oxford st.	Private	40	.....	230	
Higgins ct.	Mt. Vernon st.	Westerly	Private	16	.....	149	
High	North st.	Alewife Bk pky	Public	40	689	.....
Highland ave.	Medford st.	Davis sq	Public	60	9,062	.....
Highland rd.	Morrison ave.	Arl'ton Br R.R.	Public	70	107	.....
‡Highland rd.	Morrison ave.	Boston ave.	Pub. 30(70wide)	.....	1,499	.....
Hill	Broadway	Fairmount ave.	Public	40	284	.....
Hillsdale rd.	Conwell ave.	Sunset rd.	Public	40	632	.....
Hillside ave.	Pearl st.	Southwesterly	Private	30	.....	150	
Hillside cir.	Craigie st.	Westerly	Private	16	.....	151	
Hillside pk.	Walnut st.	Northwesterly	Public	40	196	.....
Hinckley	Broadway	B. & L. R.R.	Public 30 and 35	.....	1,081	.....
Hodgdon pl.	Dane ave.	Northeasterly	Private about 20	.....	150	.....
Holland	Davis sq.	Broadway	Public	60	2,607	.....
Holt's ave.	Oak st.	Southeasterly	Private	10	.....	100	
Holyoke rd.	Elm st. around	to Elm st.	Public	40	637	.....
Homer sq.	Bonner ave.	Northwesterly	Public	30+	204	.....
Hooker ave.	Nr Clarendon av.	near Victoria st.	Private	40	.....	1,012	
Horace	South st.	Fitchburg R.R.	Public	30	517	.....
Houghton	Springfield st.	Cambridge line	Public	40	653	.....
Howard	Thorndike st.	Gorham st.	Public	40	431	.....
Howe	Marshall st.	School st.	Public	40	447	.....
Hudson	Central st.	Cedar st.	Public	40	2,758	.....
Hunting	South st.	Cambridge line	Public	30	117	.....
Ibbetson	Somerville ave.	Lowell st.	Public	40	802	.....
Illinois ave.	Broadway	Penn. ave.	Public	40	427	.....
Indiana ave.	Broadway	Penn. ave.	Public	40	384	.....
Irving	Holland st.	Broadway	Public	40	1,176	.....
Irvington rd.	Mystic Val. pky	Medford line	Public	40	484	.....
Ivaloo	Beacon st.	Park st.	Public	40	690	.....
Jackson rd.	Walnut st.	Northwesterly	Public	40	548	.....
James	Pearl st.	Radcliffe rd.	Public	40	317	.....
Jaques	Fellsway West	Temple st.	Public	40	1,134	.....
Jaques	Temple st.	Bond st.	Public	45	1,037	.....
Jaques	Bond st.	Edgar ave.	Public	40	395	.....
Jasper pl.	Walnut st.	Easterly	Private	20	.....	80	

‡ Roadway (only) accepted 30 feet wide, full width of street 70 feet.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length Public Private
Jasper	Pearl st.	Gilman st.	Public	40	283
Jay	Holland st.	Howard st.	Public	40	534
Jerome ct.	Sycamore st.	Jerome st.	Private	10	..... 150
Jerome	Montrose st.	Jerome ct.	Private	20	..... 125
Joseph	Newton st.	Lincoln pky	Public	40	458
Josephine ave.	Morrison ave.	Broadway	Public	45	1,679
Joy	Washington st.	Poplar st.	Public	30	1,121
Joy St. pl.	Joy st.	Southwesterly	Private	16	..... 168
Kenneson rd.	Broadway	Walnut rd.	Private	30	..... 338
Kensington av.	Broadway	Middlesex ave.	Public	40	1,604
Kent ct.	Kent st.	Northerly	Private	about 25	..... 420
Kent	Somerville ave.	Fitchburg R.R.	Public	40	292
Kent	Fitchburg R.R.	Beacon st.	Public	25	386
Kenwood	College ave.	Billingham st.	Public	40	322
Kidder ave.	College ave.	Boston ave.	Public	40	2,344
Kilby	Somerville ave.	Southwesterly	Private	20	..... 180
Kilsyth rd.	Broadway	Medford line	Private	40	..... 5
Kimball	Lowell st.	Craigie st.	Private	40	..... 303
Kingman rd.	Washington st.	Fitchburg R.R.	Private	25	..... 400
Kingston	Meacham rd.	Cambridge line	Public	40	647
Knapp	School st.	Granite st.	Public	40	379
Knowlton	Tufts st.	N'E' line Est. 37	Public	40	461
Knowlton	End of above	Oliver st.	Private	40	..... 464
Lake	Hawkins st.	Church st.	Public	40	825
Lamson ct.	Linwood st.	Poplar st.	Private	20	..... 370
Landers	School st.	Westerly	Public	40	228
Langmaid ave.	Broadway	Heath st.	Public	30	353
Latin way	Professors row	Talbot ave.	Private	60	..... 250
Laurel ave.	Laurel st.	Northwesterly	Private	18	..... 125
Laurel	Somerville ave.	Summer st.	Public	40	983
Laurel ter.	Laurel st.	Southeasterly	Public	23	256
Lawson ter.	Putnam st.	Easterly	Private	15	..... 200
Lee	Medford st.	Richdale ave.	Public	40	387
Leland	Washington st.	Dane ave.	Public	40	359
Leon	Concord ave.	Dickinson st.	Public	40	155
Leonard pl.	Joy st.	Northeasterly	Private	13+	..... 98
Leonard	Broadway	Pow. House Bd.	Public	40	450
Lesley ave.	Highland ave.	Lexington ave.	Public	40	333
Lester ter.	Meacham rd.	Northwesterly	Private	20	..... 190
Lewis	Magnus ave.	Dead end	Public	40	416
Lexington ave.	Willow ave.	Hancock st.	Public	50	624
Lexington ave.	Hancock st.	Angle	Public	45 to 40	147
Lexington ave.	Angle	Cedar st.	Public	40	578
Liberty ave.	Broadway	Appleton st.	Public	40	1,453
Liberty rd.	Morrison ave.	Liberty ave.	Private	16	..... 200
Lincoln ave.	Lincoln st.	Mt. Vernon st.	Public	30	478
Lincoln pky.	Washington st.	Perry st.	Public	40	1,520
Lincoln pl.	Lincoln ave.	Northerly	Private	9	..... 120
Lincoln	Broadway	Perkins st.	Public	40	545
Linden ave.	Elm st.	Cedar ave.	Public	45	1,379
Linden cir.	Linden ave.	Southeasterly	Private	24	..... 120
Linden pl.	Linden ave.	Northwesterly	Private	20	..... 160
Linden	Somerville ave.	Charlestown st.	Public	33	587
Line	Washington st.	Cambridge line	Public	33	1,727
Linehan ct.	Linwood st.	Chestnut st.	Private	about 15	..... 200
Linwood pl.	Linwood st.	Southwesterly	Private	about 12	..... 150
Linwood	Washington st.	Fitchburg st.	Public	50	2,053
London	Linwood st.	B. & L. R.R.	Private	40	..... 404
Loring	Somerville ave.	Osgood st.	Public	40	413
Louisburg pl.	Autumn st.	Fasterly	Private	13	..... 90
Lovell	Broadway	Electric ave.	Public	40	385
Lowden ave.	Broadway	Foskett st.	Public	40	1,247
Lowell	Somerville ave.	Summer st.	Public	36	1,259
Lowell	Summer st.	Medford st.	Public	40	3,320
Lowell cir.	Lowell st.	Westerly	Priv. 11 and 27.5	.....	143
Lowell ter.	Lowell st.	Northwesterly	Private	20	..... 150

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet		Length Public Private
Madison	School st.	Sycamore st.	Public	40	891	.....
Magnus ave.	Washington st.	Lewis st.	Public	40	429	.....
Magnus ave.	Lewis st.	Southerly	Private	40	.....	80
Main	Broadway	Medford line	Public	50	973	.....
Maine ave.	Mystic ave.	Penn. ave.	Public	40	379	.....
Maine ter.	Maine ave.	Southeasterly	Public	32	205	.....
Mallet	Willow ave.	Liberty ave.	Public	40	617	.....
Malloy ct.	Somerville ave.	Merriam ave.	Private	30	.....	255
Malvern ave.	Cameron ave.	Yorktown st.	Public	40	410	.....
Mansfield	Somerville ave.	Washington st.	Public	40	735	.....
Maple ave.	School st.	Southeasterly	Public	40	319	.....
Maple pl.	Marshall st.	Maple ave.	Private	5	.....	125
Maple	Poplar st.	Northern artery	Public	30	648	.....
Mardel cir.	Spring st.	Northwesterly	Private	8	.....	140
Marion	Concord ave.	Dimick st.	Public	40	1,147	.....
Marshall	Broadway	Pearl st.	Public	40	1,650	.....
Mason	Broadway	Pow. House Bd.	Public	40	681	.....
May pl.	Hawkins st.	Easterly	Private	12	.....	100
McCarroll ct.	Clyde st.	Southwesterly	Private	25	.....	75
McGregor ave.	Wigglesworth st.	Walnut st.	Private	13	.....	302
Meacham rd.	Dover st.	Cambridge line	Public	40	1,060	.....
Meacham	Edgar ave.	Medford line	Public	40	777	.....
Meacham st. ex.	Edgar ave.	Northeasterly	Private	40	.....	242
Mead	Moore st.	Nr Cameron av.	Public	40	345	.....
Mead	End of above	Cameron ave.	Private	40	.....	95
Medford East	Cambridge line	Northern artery	Public	50	1,538	.....
Medford st West	Northern artery	Central st.	Public	50	3,937	.....
Medford	Central st.	Broadway	Public	55	1,985	.....
Meiville rd.	Ten Hills rd.	Shore drive	Public	40	281	.....
Melvin	Broadway	Bonair st.	Public	40	486	.....
Merriam ave.	Merriam st.	Malloy ct.	Private	15	.....	255
Merriam	Washington st.	Somerville ave.	Public	40	360	.....
Merriam	Somerville ave.	Charlestown st.	Public	30	510	.....
Michigan ave.	Broadway	Penn. ave.	Public	40	470	.....
Middlesex ave.	Mystic ave.	Fellsway	Public	80	2,354	.....
Milk pl.	Somerville ave.	Southwesterly	Private	about 30	.....	100
Miller	Sacramento st.	Beacon st.	Public	30-33	466	.....
Milton	Orchard st.	Cambridge line	Public	40	223	.....
Miner	Vernon st.	Ames st.	Public	40	244	.....
Minnesota ave.	Broadway	Penn. ave.	Public	40	525	.....
Mondamin ct.	Ivaloo st.	Harrison st.	Private	25	.....	250
Monmouth	Central st.	Westerly	Public	40	267	.....
Monmouth	End of above	Harvard st.	Private	35	.....	200
Montgomery av.	Broadway	Wellington ave.	Public	40	265	.....
Montrose ct.	Montrose st.	B. & L. R.R.	Private	12	.....	110
Montrose	School st.	Sycamore st.	Public	40	886	.....
Moore	Holland st.	Mead st.	Public	40	695	.....
Moreland	Main st.	Mystic ave.	Public	40	1,471	.....
Morgan	Beacon st.	Park st.	Public	40	377	.....
Morrison ave.	Cedar st.	Willow ave.	Public	50	1,366	.....
Morrison ave.	Willow ave.	College ave.	Public	40	1,690	.....
Morrison pl.	Morrison ave.	Northerly	Private	20	.....	190
Morrison pl.	Morrison pl.	Easterly	Private	15	.....	175
Mortimer pl.	Marshall st.	Easterly	Private	20	.....	172
Morton	Glen st.	Knowlton st.	Public	40	287	.....
Mossland	Somerville ave.	Elm st.	Public	40	377	.....
Mountain ave.	Porter st.	near Linden av.	Public	22	280	.....
Mousal pl.	No. Union st.	B. & M. R.R.	Private	20	.....	200
Mt. Pleasant ct.	Perkins st.	Southwesterly	Private	40	.....	260
Mt. Pleasant	Broadway	Perkins st.	Public	33	584	.....
†Mt. Vernon av.	Meacham st.	Mystic ave.	Private	50	.....	764
Mt. Vernon	Washington st.	Pearl st.	Public	40	600	.....
Mt. Vernon	Pearl st.	Perkins st.	Public	50	473	.....
Mt. Vernon	Perkins st.	Broadway	Public	40	590	.....
Munroe	Walnut st.	Easterly	Public	40	375	.....
Munroe	End of above	Boston st.	Public	50	1,214	.....

† Proposed.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length Public	Length Private
Murdock	Cedar st.	Clyde st.	Private	30	.....	853
Murray	Washington st.	Southerly	Public	30	.....	190
Museum	Beacon st.	Cambridge line	Public	40	.....	164
Myrtle ct.	Myrtle st.	Easterly	Private	10	.....	100
Myrtle pl.	Myrtle st.	Westerly	Private	20+	.....	120
Myrtle	Washington st.	Perkins st.	Public	40	1,423	.....
Mystic ave.	Charlest'n line	Union st.	Public	60	384	.....
Mystic ave.	Union st.	West line Con- necticut ave.	Public	66	1,843	.....
§Mystic ave.	West line Connecticut av.	Medford line	Public	66	4,869	.....
Mystic	Benedict st.	Mystic ave.	Public	40	336	.....
*Mystic Valley Parkway	Medford line	Arlington line	Public	60	2,530	.....
Nashua	Richardson st.	B. & L. R.R.	Public	35	637	.....
Nevada ave.	Village st.	Hanson st.	Private	20	.....	200
Newberne	Appleton st.	Morrison ave.	Public	40	200	.....
Newberne	Morrison ave.	Arl'ton Br R.R.	Private	40	.....	173
Newbury pk.	Newbury st.	Southeasterly	Private	55	.....	68
Newbury	Holland st.	Cambridge line	Public	40	1,260	.....
N. Hampshire ave.	Mystic ave.	Penn. ave.	Public	40	406	.....
Newman pl.	Cedar st.	Southeasterly	Private	15	.....	100
Newton st.	Newton st.	Easterly	Private	about 10	.....	100
Newton	Prospect st.	Webster ave.	Public	25	470	.....
Newton	Webster ave.	Concord sq.	Public	40+	637	.....
Norfolk	Webster ave.	Cambridge line	Public	40	253	.....
North	Broadway	Medford line b. 17	Public	40	1,861	.....
North	Medford line b. 17	Medford line b. 18	Public	37 to 42	649	.....
North Union	Mystic ave.	Northeasterly	Public	35-40	431	.....
||North'n artery	Cambridge line	Middlesex ave.	Public	100-120	9,164	.....
Norton	Nashua st.	Southeasterly	Private	20	.....	200
Norwood ave.	Broadway	Medford st.	Public	40	350	.....
Oak	Prospect st.	Angle	Public	40	665	.....
Oak	Angle	Cambridge line	Public	30	563	.....
Oak St. pl.	Oak st.	Northerly	Private	4	.....	85
Oak ter.	Elm st.	Northeasterly	Private	10+	.....	90
Oakland ave.	Marshall st.	School st.	Public	40	430	.....
Oakland	Camb. Line	Northerly	Private	30	.....	35
Olive ave.	Finden ave.	Peterson ter.	Private	25	.....	155
Olive sq.	Lake st.	Southerly	Private	about 15	.....	100
Oliver	Franklin st.	Cross st.	Public	40	1,085	.....
Orchard	Cambridge line	Meacham rd.	Public	40	1,407	.....
Osgood	Granite st.	Easterly	Public	40	204	.....
Osgood	Granite st.	Westerly	Private	40	.....	246
Ossipee rd.	Mason st.	Curtis st.	Public	40	1,315	.....
Otis	Cross st.	Wigglesworth st	Public	40	1,049	.....
Oxford	School st.	Central st.	Public	35	1,361	.....
Oxford	Beacon st.	Cambridge line	Public	50	90	.....
Packard ave.	Broadway	Professors row	Public	60	1,676	.....
Packard ave.	Professors row	Medford line	Private	60	.....	240
Palmer ave.	Franklin st.	Northwesterly	Private	20	.....	200
Park ave.	College ave.	Wallace st.	Public	40	467	.....
Park pl.	Laurel st.	Easterly	Private	30	.....	522
Park pl.	Park pl.	Northeasterly	Private	20	.....	120
Park	Somerville ave.	Beacon st.	Public	50	1,222	.....

§ State Highway, west line Connecticut Avenue to Medford line.

* Metropolitan Park Commission Boulevard.

|| Land taken, Streets widened, and Constructed under name Northern Traffic Artery, State Highway; to be maintained by city.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length Public	Private
Parkdale	Washington st.	Lewis st.	Public	40	500	.....
Parker pl.	Porter st.	Northwesterly	Private	20	.....	150
Parker	Washington st.	Fremont ave.	Public	35	203	.....
Partridge ave.	Vernon st.	Broadway	Public	40	1,452	.....
Patten ct.	Cutter st.	Southeasterly	Private	8	.....	100
Paulina	Broadway	Holland st.	Public	40	769	.....
Pearl	Crescent st.	Mt. Vernon st.	Public	37	341	.....
Pearl	Mt. Vernon st.	Franklin st.	Public	50	957	.....
Pearl	Franklin st.	Cross st.	Public	40	1,065	.....
Pearl	Cross st.	Medford st.	Public	50	2,353	.....
Pearl St. pl.	Pearl st.	Northeasterly	Public	20	166	.....
Pearl ter.	Pearl st.	Northerly	Private	23	.....	161
Pearson ave.	Morrison ave.	Boston ave.	Public	45	1,279	.....
Pearson rd.	Broadway	Dearborn rd.	Public	40	1,713	.....
Pembroke ct.	Pembroke st.	Southwesterly	Private	25	.....	130
Pembroke	Central st.	Sycamore st.	Public	40	430	.....
Penn. ave.	Broadway	Wisconsin ave.	Public	50	1,112	.....
Penn. ave.	Wisconsin ave.	Cross st.	Public	40	350	.....
Perkins pl.	Perkins st.	Northeasterly	Private	20	.....	200
Perkins	Franklin st.	Charlest'n line	Public	40	1,323	.....
Perry	Washington st.	Lincoln pky	Public	40	606	.....
Peterson ter.	Porter st.	Olive ave.	Private	7.5	.....	155
Phillips pl.	Spring st.	Westerly	Private	15+	.....	100
Pinckney pl.	Pinckney st.	Southeasterly	Private	24	.....	125
Pinckney	Washington st.	Perkins st.	Public	40	1,136	.....
Pitman	Beech st.	Spring st.	Public	30	381	.....
Pitman	Spring st.	Belmont st.	Private	26	.....	390
Pleasant ave.	Walnut st.	Vinal ave.	Public	40	543	.....
Poplar ct.	Poplar st.	Southeasterly	Private	10	.....	80
Poplar	Northern artery	Linwood st.	Public	30	326	.....
Poplar	Linwood st.	Joy st.	Public	35	315	.....
Porter ave.	Porter st.	Northwesterly	Private	20	.....	220
Porter	Elm st.	Mountain ave.	Public	45	1,573	.....
Porter	Mountain ave.	Highland ave.	Public	40	415	.....
Powder House blvd.	Powder House sq.	Alewife Brook pkwy	Public	80	4,560	.....
Pow. House ter.	Kidder ave.	Liberty ave.	Public	40	585	.....
Prentiss	Beacon st.	Cambridge line	Private	35	.....	150
Prescott	Summer st.	Highland ave.	Public	50	1,102	.....
Preston rd.	School st.	Summer st.	Public	40	839	.....
Prichard ave.	Morrison ave.	Boston ave.	Public	40	1,151	.....
Princeton	Apine st.	Lowell st.	Public	40	648	.....
Professors row	College ave.	Curtis st.	Public	40	2,000	.....
Prospect	Washington st.	Cambridge line	Public	50	2,020	.....
Prosp't Hill av.	Northern artery	Munroe st.	Public	40	548	.....
Prosp't Hill pky	Munroe st.	Stone ave.	Public	40	400	.....
Prospect pl.	Prospect st.	Newton st.	Private	20	.....	130
Puritan rd.	Ten Hills rd.	Shore drive	Public	40	1,344	.....
Puritan rd.	Fellsway	Ten Hills rd. ex.	State land	40	83	.....
Putnam rd.	Ten Hills rd.	Shore drive	Public	40	1,141	.....
Putnam	Summer st.	Highland ave.	Public	50	1,262	.....
Quincy	Somerville ave.	Summer st.	Public	40	781	.....
Radcliffe rd.	Walnut st.	Bradley st.	Public	35	392	.....
Radcliffe rd.	Bradley st.	Marshall st.	Public	40	261	.....
Randolph pl.	Cross st.	Westerly	Private	15	.....	244
Raymond ave.	Curtis st.	North st.	Public	40	1,347	.....
Record ct.	Broadway	Southwesterly	Private	10	.....	110
Reed's ct.	Oliver st.	Southwesterly	Private	20	.....	71
Remick ct.	Cutter st.	Southeasterly	Private	10	.....	100
Rhode Is. ave.	Mystic ave.	Penn. ave.	Public	40	460	.....
Richardson	Lowell st.	Hinckley st.	Public	35	467	.....
Richardson ter.	Richardson st.	Northeasterly	Private	20	.....	135
Richdale ave.	School st.	Sycamore st.	Public	40	875	.....
Roberts	Hinckley st.	Northwesterly	Private	20	.....	170

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length	
					Public	Private
Robinson	Central st.	Bartlett st.	Public	40	582	.....
Rogers ave.	Morrison ave.	Boston ave.	Public	45	1,642	.....
Roland	Waverly st.	Boston line	Private	40	.....	100
Rose	Washington st.	Lewis st.	Public	40	450	.....
Roseland	Beacon st.	Cambridge line	Public	40	121	.....
Rossmore	Somerville ave.	Washington st.	Public	40	534	.....
Royce pl.	Bonair st.	Northeasterly	Private	15+	.....	175
Rush	Broadway	Flint st.	Public	40	1,406	.....
Russell rd.	Broadway	N. line Hamil- ton rd.	Public	40	559	.....
Russell rd.	N. line Hamil- ton rd.	Northerly	Private	40	.....	75
Russell	Elm st.	Cambridge line	Public	40	742	.....
Sacramento	Somerville ave.	Fitchburg R.R.	Public	40	80	.....
Sacramento	Fitchburg R.R.	Beacon st.	Public	40	294	.....
Sacramento	Beacon st.	Cambridge line	Public	40	154	.....
Sanborn ave.	Warren ave.	Walnut st.	Public	40	278	.....
Sanborn ct.	Washington st.	Northwesterly	Private	30	.....	176
Sargent ave.	Broadway	Walnut st.	Public	40	1,069	.....
Sartwell ave.	Cedar st.	Cherry st.	Public	35	427	.....
Sawyer ave.	Packard ave.	Curtis st.	Private	40	.....	690
School	Somerville ave.	Highland ave.	Public	40	1,869	.....
School	Highland ave.	Broadway	Public	50	2,454	.....
Sellon pl.	Marshall st.	Northwesterly	Private	12	.....	120
Seven Pines av.	Cameron ave.	Cambridge line	Public	40	92	.....
Sewall ct.	Sewall st.	Southwesterly	Private	25	.....	190
Sewall	Grant st.	Temple st.	Public	40	615	.....
Shawmut	Washington st.	Northern artery	Public	40	210	.....
Shedd	Somerville ave.	Merriam st.	Private	40	.....	310
†Sheridan ave.	Hooker ave.	Weston ave.	Private	40	.....	688
Sherman ct.	Sargent ave.	Marshall st.	Private	10	.....	250
Shore dr.	Mystic ave.	Fellsway	Public	50	2,081	.....
Sibley ct.	Cutter st.	Northwesterly	Private	10	.....	100
Sibley pl.	Cutter st.	Northwesterly	Private	10	.....	100
Silvey pl.	Craigie st.	Lowell st.	Private	23+25	.....	264
Simpson ave.	Broadway	Holland st.	Public	40	1,018	.....
Skehan	Dane st.	Hanson st.	Public	30	306	.....
Skehan	Hanson st.	Durham st.	Private	30	.....	405
Skilton	Pearl st. around	to Pearl st.	Private	40	.....	540
Smith ave.	Beacon st.	Line st.	Public	23	213	.....
Snow ter.	Jaques st.	Southwesterly	Private	16	.....	120
Somerville ave.	Northern artery	Union sq.	Public	75	1,812	.....
Somerville ave.	Union sq.	N. Camb. line	Public	70	6,729	.....
South	Medford st.	Water st.	Public	30	959	.....
Spencer ave.	Cedar st.	Hancock st.	Public	40	727	.....
Spring	Somerville ave.	Summer st.	Public	40	1,220	.....
Springfield	Concord ave.	Cambridge line	Public	40	788	.....
Spring Hill ter.	Highland ave.	Belmont st.	Public	20	673	.....
Stanford ter.	Beacon st.	Northeasterly	Private	20	.....	200
Steeves cir.	Cherry st.	Easterly	Private	15	.....	120
Sterling	North st.	Alewife Bk pky	Public	40	802	.....
Stickney ave.	Marshall st.	School st.	Public	40	458	.....
St. James ave.	Elm st.	Summer st.	Public	40	488	.....
St. James ave. ext.	Summer st.	Northeasterly	Public	30	125	.....
Stone ave.	Union sq.	Columbus ave.	Public	40	676	.....
Stone ave.	Columbus ave.	Prospt Hill py.	Public	38	107	.....
Stone pl.	Stone ave.	Southeasterly	Public	30	142	.....
Strathmore rd.	Broadway	Medford line	Private	40	.....	15
Summer	Bow st.	Elm st.	Public	45	7,870	.....
Summit ave.	Walnut st.	Vinal ave.	Public	45	532	.....
Summit	College ave.	Billingham st.	Public	40	262	.....
Sunnyside ave.	Walnut st.	Wigglesworth st	Public	25 to 35	306	.....
Sunset rd.	Curtis st.	Hillsdale rd.	Public	40	656	.....
Sycamore	Broadway	Medford st.	Public	45	1,245	.....

† Proposed.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length Public Private
Sycamore	Medford st.	B. & L. R.R.	Public	40	639
Sycamore	B. & L.R.R.	Highland ave.	Public	35	722
Sydney	Grant st.	Temple st.	Public	40	679
Talbot ave.	Packard ave.	College ave.	Private	50	..... 1,409
Taunton	Wyatt st.	East'y to angle	Private	30	..... 170
Taunton	Angle	Marion st.	Private	20	..... 95
Taylor pl.	Somerville ave.	Southerly	Private	15	..... 200
Taylor	Mystic ave.	Sydney st.	Public	40	309
Teele ave.	Packard ave.	Curtis st.	Public	40	685
Temple rd.	Mystic ave.	Shore drive	Public	40	1,420
Temple	Broadway	Mystic ave.	Public	66	1,628
Ten Hills rd.	Bailey rd.	Shore drive	Public	25-40	1,886
Ten Hills	Mystic ave.	Temple rd.	Private	40	..... 477
Tenney ct.	Mystic ave.	Northeasterly	Private	30	..... 400
Tennyson	Forster st.	Pembroke st.	Public	40	869
Thorndike	Holland st.	Kingston st.	Public	40	584
Thorndike	Underpass	B. & M. R.R.	Public	20	88
		Arlington Br.			
Thorpe	Highland ave.	Southwesterly	Public	30	468
Thurston	Broadway	Richdale ave.	Public	40	1,639
Timmins pl.	Dane st.	Westerly	Private	3.5	..... 97
Tower ct.	Tyler st.	Northeasterly	Private	25	..... 150
Tower	Crown st.	Highland ave.	Public	40	559
Tremont pl.	Tremont st.	Southeasterly	Private	about 10	..... 75
Tremont	Webster ave.	Cambridge line	Public	40	539
Trull	Vernon st.	Medford st.	Public	40	1,050
Trull lane	Highland ave.	Oxford st.	Private	15	..... 200
Tufts pky.	College ave.	College ave.	Public	22	900
Tufts	Washington st.	Cross st.	Public	40	982
Turner ct.	Franklin st.	Westerly	Private	20	..... 150
Tyler	Vine st.	Dane st.	Public	40	404
Union	Broadway	Mystic ave.	Public	40	362
Union pl.	Linwood st.	Southwesterly	Private	10	..... 100
Upland pk.	Main st.	Southwesterly	Private	20	..... 175
Upland rd.	Curtis st.	Hillsdale rd.	Public	40	655
Vermont ave.	Mystic ave.	Penn. ave.	Public	40	433
Vernon	Central st.	Glenwood rd.	Public	40	764
Vernon	Glenwood rd.	Partridge ave.	Public	40 to 30	190
Vernon	Partridge ave.	Lowell st.	Public	30	434
Victoria	Broadway	Cambridge line	Public	40	1,036
Villa ave.	Winslow ave.	Arl'ton Br R.R.	Private	35	..... 200
Village	Dane st.	Vine st.	Private	25	..... 370
Vinal ave.	Summer st.	Highland ave.	Public	45	1,425
Vinal	Richardson st.	Northeasterly	Private	19	..... 200
Vine ct.	Vine st.	Northwesterly	Private	25	..... 140
Vine	Somerville ave.	Fitchburg R.R.	Public	40	540
Vine	Fitchburg R.R.	Hanson st.	Private	40	..... 222
Vine	Hanson st.	Beacon st.	Public	30	662
Virginia	Aldrich st.	Jasper st.	Public	40	403
Wade ct.	Cedar st.	Westerly	Private	20	..... 116
Waldo ave.	Beacon st.	Dimick st.	Public	40	277
Waldo	Highland ave.	Hudson st.	Public	40	287
Walker	Broadway	Leonard st.	Public	40	713
Wallace	Holland st.	Broadway	Public	40	1,342
Walnut	Bow st.	Broadway	Public	40	3,753
Walnut rd.	Walnut st.	Kenneson rd.	Public	40	270
Walter ter.	Jackson rd.	Southwesterly	Public	40	222
Ward	Medford st.	Harding st.	Public	30	433
Ware	Curtis st.	Russell rd.	Public	40	735
Warner	Pow. House sq.	Medford line	Public	60	500

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length Public Private
Warren ave.	Union sq.	Columbus ave.	Public	40	663
Warren	Medford st.	Cambridge line	Public	30 to 40	109
Warwick	Cedar st.	Clyde st.	Public	30-40	935
Washington av.	Washington st.	Northerly	Private	18	..... 350
Washington pl.	Washington st.	Southerly	Private	about 7.5	..... 114
Washington	Charlestown line	Franklin ave.	Public	75	1,060
Washington	Franklin ave.	Fitchburg R.R.	Public	60 to 100	4,009
Washington	Fitchburg R.R.	Cambridge line	Public	60	2,272
Washington ter.	Washington st.	Northerly	Private	30-40	.....
Washington ter.	End of above	Westerly and Easterly	Private	40	..... 269
Water	South st.	Northerly	Public	25	366
Waterhouse	Broadway	Cambridge line	Public	40	987
Watson	Broadway	Fairmount ave.	Public	40	236
Waverly	Washington st.	Roland st.	Private	35	..... 200
Webster ave.	Union sq.	Cambridge line	Public	49.5	1,880
Webster	Franklin st.	Cross st.	Public	40	997
Wellington ave.	Walnut st.	Montgomery av.	Public	40	215
Wellington ave.	Montgomery av.	Easterly	Private	40	..... 85
Wesley pk.	Wesley sq.	Northeasterly	Public	40	403
Wesley	Pearl st.	Otis st.	Public	40	515
West	Hawthorne st.	Highland ave.	Public	30	192
West	Highland ave.	Arl'ton Br R.R.	Private	30	..... 266
West Adams	Conwell ave.	Medford line	Public	40	710
Westminster	Broadway	Electric ave.	Public	40	376
Weston ave.	Clarendon ave.	Broadway	Private	40	..... 525
West Quincy	Bailey st.	Medford line	Public	40	292
Westwood rd.	Central st.	Benton rd.	Public	40	489
Wheatland	Broadway	Mystic ave.	Public	40	1,325
Wheeler	Pinckney st.	Mt. Vernon st.	Public	40	269
Whipple	Willow ave.	Highland ave.	Private	30	..... 431
White	Elm st.	Cambridge line	Public	.....	307
White St. pl.	White st.	Southeasterly	Private	20	..... 200
Whitfield rd.	Packard ave.	Curtis st.	Public	40	687
Whitman	Mason st.	Packard ave.	Public	40	632
Wigglesworth	Pearl st.	Bonair st.	Public	40	744
William	College ave.	Chandler st.	Public	40	381
William	Broadway	Medford line	Private	50	..... 50
Williams ct.	Porter st.	Northwesterly	Private	30	..... 154
Willoughby	Central st.	Sycamore st.	Public	40	427
Willow ave.	Elm st.	Broadway	Public	50	3,450
Willow pl.	Cambridge line	South st.	Public	25	125
Wilson ave.	Broadway	B. & L. R.R.	Public	20	307
Wilton	Lowell st.	Hinckley st.	Public	35	415
Winchester	Broadway	Medford line	Private	40	..... 65
Windom	Elm st.	Summer st.	Public	40	300
Windsor rd.	Willow ave.	Hancock st.	Public	40	575
Windsor	Cambridge line	Northerly	Public	40	40
Windsor	End of above	Fitchburg R.R.	Public	27	490
Winslow ave.	College ave.	Clifton st.	Public	40	1,087
Winter	College ave.	Holland st.	Public	30	402
Winter Hill cir.	Broadway	Northeasterly	Private	25	..... 177
Wisconsin ave.	Broadway	Penn. ave.	Public	50	499
Woodbine	Centre st.	Westerly	Private	30	..... 461
Woodbine Ex.	End of above	Lowell st.	Private	35	..... 212
Woods ave.	North st.	Alewife Bk pky	Public	40	1,152
Woodstock	Victoria st.	Alewife brook	Public	40 to 32	361
Wyatt cir.	Wyatt st. around	Wyatt st.	Private	20	..... 315
Wyatt	Concord ave.	Lincoln pky	Public	40	505
Yorktown	Cambridge line	N. E. line			
Yorktown	Malvern ave.	Malvern ave.	Public	40	294
Yorktown	N. E. line	Northerly	Private	40	..... 110

§ Sidewalk in Somerville.

Table Showing the Location, Length and Width of Public and Private Streets—Continued

Street	From	To	Public or Private	Width in Feet	Length	
					Public	Private
Court	39 Adams st.	Southeasterly	Private	8	.....	90
Court	Albion st.	Central st.	Private	12	.....	216
Court	11 Albion st.	Northeasterly	Private	9	.....	178
Court	21 Albion st.	Northeasterly	Private	10	.....	100
Court	292 Broadway	Southwesterly	Private	15	.....	90
Court	612 Broadway	Southwesterly	Private	20	.....	188
Court	Buena Vista rd.	Easterly	Private	15	.....	145
Court	Cambria st.	Northerly	Private	9	.....	59
Court	12 Carlton st.	Southeasterly	Private	25	.....	75
Court	112 Central st.	Northwesterly	Private	10	.....	168
Court	113 Central st.	Southeasterly	Private	20	.....	150
Court	227 Columbia st.	Northwesterly	Private	10	.....	117
Court	Conlon ct.	Windsor st. ex.	Private	20	.....	240
Court	46 Craigie st.	Westerly	Private	25	.....	126
Court	58 Dane st.	Easterly	Private	10	.....	70
Court	20 Dimick st.	Southwesterly	Private	39.25	.....	136
Court	91 Franklin st.	Westerly	Private	12	.....	171
Court	35 Lexington av.	Northerly	Private	21	.....	90
Court	66 Lowell st.	Westerly	Private	25	.....	101
Court	101 Medford st.	Easterly	Private	8	.....	75
Court	335 Somerville ave.	Northerly	Private	15	.....	60
Court	10 Stone ave.	Northwesterly	Private	20	.....	113
Court	Windsor st. ex.	E'ly and W'ly	Private	20	.....	370
Court	Washington ave.	Franklin st.	Private	6	.....	95
Court	Irvington rd.	Boston ave.	Private	20	.....	157
Total					475,226	54,622

Public, 90.005 miles [includes 1.406 miles of City Boulevard and Park Roadways, 2.331 miles of State Boulevard (Metropolitan Park Commission), and 0.98 miles State Highway]; private 10.345.

Total length of streets in the city, 100.350 miles.

REPORT OF THE BOARD OF ELECTION COMMISSIONERS

January 1, 1930.

To the Honorable, the Mayor and the Board of Aldermen of the
City of Somerville:

Gentlemen:

The Board of Election Commissioners respectfully submits
the following for the year 1929.

Registration was held at the City Hall daily from July 8
to September 24 from 8:00 A. M. until 4:00 P. M., except on
Saturdays when the hours were from 8:00 A. M. until 12 Noon.
On Wednesday, September 25th, and on Wednesday, October
16th the hours were from 12 Noon until 10:00 P. M.

Outside registration dates were as follows:

Outside Sessions from 7:30 to 9:30 P. M.

Carr Schoolhouse, Atherton Street, Tuesday, September 10th.
Perry Schoolhouse, Washington Street, Tuesday, September 10th.
Western Junior High School, Holland Street, Thursday, September 12th.
Burns Schoolhouse, Cherry Street, Thursday, September 12th.
Bingham Schoolhouse, Lowell Street, Friday, September 13th.
Glines Schoolhouse, Jaques Street, Friday, September 13th.
Knapp Schoolhouse, Newton Street, Tuesday, September 17th.
Southworth Schoolhouse, Myrtle Street, Tuesday, September 17th.
Brown Schoolhouse, Willow Avenue, Wednesday, September 18th.
Cutler Schoolhouse, Powder House Blvd., Wednesday, September 18th.
Edgerly Schoolhouse, Cross Street, Friday, September 20th.
Bennett Schoolhouse, Poplar Street, Friday, September 20th.

Evening Sessions at City Hall, apart from Wednesday,
September 25th, and October 16th, were Friday, September 6th,
Monday, September 23rd, and Tuesday, September 24th.

**THE FOLLOWING IS A LIST OF ASSESSED POLLS AND
REGISTERED VOTERS**

Ward	Pct.	Assessed Polls Nov. 8 1929	Registered Voters Nov. 1928		Revised Lists July 1929		Names Added Sept. & Oct. 1929		Registered Voters Nov. 1929	
			Men	Women	Men	Women	Men	Women	Men	Women
1	1	1,374	799	635	665	523	70	44	735	567
1	2	1,294	813	714	677	615	63	51	740	666
1	3	812	545	466	472	403	38	27	510	430
1	4	1,133	767	710	682	625	43	38	725	663
		<u>4,613</u>	<u>2,924</u>	<u>2,525</u>	<u>2,496</u>	<u>2,166</u>	<u>214</u>	<u>160</u>	<u>2,710</u>	<u>2,326</u>
2	1	1,237	532	317	422	266	70	17	492	283
2	2	1,230	724	627	617	554	57	29	674	583
2	3	598	372	328	319	295	21	13	340	308
2	4	1,240	752	663	631	561	57	44	688	605
2	5	1,312	763	610	642	509	48	33	690	542
		<u>5,617</u>	<u>3,143</u>	<u>2,545</u>	<u>2,631</u>	<u>2,185</u>	<u>253</u>	<u>136</u>	<u>2,884</u>	<u>2,321</u>
3	1	866	648	644	570	579	42	5	612	574
3	2	792	569	658	506	595	40	30	546	625
3	3	1,139	809	860	737	807	49	46	786	853
3	4	1,209	874	977	764	852	38	44	802	896
		<u>4,006</u>	<u>2,900</u>	<u>3,139</u>	<u>2,577</u>	<u>2,833</u>	<u>169</u>	<u>115</u>	<u>2,746</u>	<u>2,948</u>
4	1	966	699	717	598	615	32	32	630	647
4	2	1,172	1,255	1,161	597	523	84	71	681	594
4	3	767	573	743	493	637	33	30	526	667
4	4	897	691	811	631	773	39	43	670	816
4	5	928	.....	.....	515	501	28	34	543	535
		<u>4,730</u>	<u>3,218</u>	<u>3,432</u>	<u>2,834</u>	<u>3,049</u>	<u>216</u>	<u>210</u>	<u>3,050</u>	<u>3,259</u>
5	1	1,094	777	787	697	691	58	52	755	743
5	2	1,130	760	704	659	594	53	41	712	635
5	3	1,192	842	801	739	713	37	38	776	751
5	4	1,101	826	781	692	668	41	43	733	711
		<u>4,517</u>	<u>3,205</u>	<u>3,073</u>	<u>2,787</u>	<u>2,666</u>	<u>189</u>	<u>174</u>	<u>2,976</u>	<u>2,840</u>
6	1	941	770	822	652	731	26	34	678	765
6	2	902	682	756	592	652	26	24	618	676
6	3	1,052	746	795	609	639	54	33	663	722
6	4	885	774	890	685	820	19	28	704	848
		<u>3,780</u>	<u>2,972</u>	<u>3,263</u>	<u>2,538</u>	<u>2,892</u>	<u>125</u>	<u>119</u>	<u>2,663</u>	<u>3,011</u>
7	1	928	688	714	609	625	45	44	654	669
7	2	866	615	602	522	498	37	25	559	523
7	3	824	716	732	620	653	26	32	646	685
7	4	802	539	514	502	466	37	27	539	493
7	5	826	655	652	577	581	39	36	616	617
		<u>4,246</u>	<u>3,213</u>	<u>3,214</u>	<u>2,830</u>	<u>2,823</u>	<u>184</u>	<u>164</u>	<u>3,014</u>	<u>2,987</u>
Total		31,509	21,575	21,191	18,693	18,614	1,350	1,078	20,043	19,692

This being the year of the biennial election for the various municipal officers, nomination papers were received for the office of Mayor, Board of Aldermen and School Committee and names certified; also, referendum petitions were received and names certified.

A recount of Democratic ballots cast at the primary election, October 15th, for the office of Mayor, Ward Alderman, Ward 2; Ward Alderman, Ward 5; School Committee, Ward 5, and Alderman at Large, Ward 6, was held Monday and Tuesday evenings, October 21st and 22nd, without any material change from the original count.

In accordance with chapter 234, of the General Laws, as amended by chapter 311 of the Acts of 1924, the Election Commissioners prepared a list of the inhabitants of Somerville, liable to serve as jurors. The Board has established a system of having each person provisionally selected for jury duty fill out a questionnaire and appear before a member of the Board at the office and make oath to the statements contained therein. This gives the Board an opportunity to meet each individual and note, if any, his physical defects or disability to render the county the service that would be required of him as a juror. These personal examinations also, enable the Board to know the educational qualifications of each prospective juror.

The members of the Board make an impartial selection from all parts of the city, of men of various occupations, and are of the opinion that the persons finally selected represent an average of our citizenship. The jury list prepared by the Board for 1929 contains the names of 1157 voters of Somerville.

The expense of the Election Department for the year ending December 31, 1929. Board of Election Commissioners, \$11,394.22. Pay of Election Officers, \$4,712.00. Total \$16,106.22.

A vault has been erected for the storage of supplies and records. The Commission has made changes in the method of handling election returns, which has worked out, in their opinion very satisfactorily.

The Board of Election Commissioners has had the co-operation of His Honor, the Mayor, the Honorable Members of the Board of Aldermen and the City Officials, for which it is deeply grateful.

WILLIAM F. BURNS, *Chairman*
CHARLES LEO SHEA,
FRANCIS W. K. SMITH,
ARTHUR G. BURNETT, *Secretary*,
Board of Election Commissioners.

STATISTICS

Record of City Election *Primary*, October 15, 1929.

Record of City *Election*, November 5, 1929.

Record of Total number of *Votes Cast*.

PRIMARY.

ELECTION.

STANDARD

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RECORD OF VOTES CAST AT THE CITY ELECTION PRIMARY

OCTOBER 15, 1929

Ward	Pct.	Democratic		Republican	
1	1	348		302	
1	2	343		309	
1	3	269		201	
1	4	315		351	
		<hr/>	1,275	<hr/>	1,163
2	1	508		42	
2	2	694		190	
2	3	283		110	
2	4	851		76	
2	5	536		136	
		<hr/>	2,872	<hr/>	554
3	1	425		298	
3	2	265		362	
3	3	448		518	
3	4	501		383	
		<hr/>	1,639	<hr/>	1,561
4	1	194		404	
4	2	369		226	
4	3	191		397	
4	4	249		445	
4	5	227		254	
		<hr/>	1,230	<hr/>	1,726
5	1	595		268	
5	2	356		310	
5	3	297		418	
5	4	316		371	
		<hr/>	1,564	<hr/>	1,367
6	1	153		479	
6	2	129		439	
6	3	96		509	
6	4	108		651	
		<hr/>	486	<hr/>	2,078
7	1	153		473	
7	2	107		371	
7	3	97		541	
7	4	155		355	
7	5	136		380	
		<hr/>	648	<hr/>	2,120
Total		9,714	9,714	10,569	10,569

RECORD OF VOTES CAST AT THE CITY ELECTION
NOVEMBER 5, 1929

Ward	Pct.		
1	1	1,049	
1	2	1,103	
1	3	769	
1	4	1,106	
		<hr/>	4,027
2	1	684	
2	2	1,085	
2	3	545	
2	4	1,101	
2	5	970	
		<hr/>	4,385
3	1	1,041	
3	2	1,004	
3	3	1,413	
3	4	1,386	
		<hr/>	4,844
4	1	997	
4	2	942	
4	3	925	
4	4	1,198	
4	5	774	
		<hr/>	4,836
5	1	1,229	
5	2	1,075	
5	3	1,245	
5	4	1,147	
		<hr/>	4,696
6	1	1,147	
6	2	1,057	
6	3	1,087	
6	4	1,259	
		<hr/>	4,550
7	1	1,064	
7	2	861	
7	3	1,044	
7	4	837	
7	5	958	
		<hr/>	4,764
Total		32,102	32,102

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS

City Hall, Somerville, January 1, 1930.

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville.

Gentlemen:

In accordance with the provisions of the City Charter, I submit herewith the annual report of the public buildings department for the year ending December 31, 1929.

The total valuation of the property which is in the custody of the public buildings department is approximately \$4,922,800.

The total expenditures for the year 1929 for the care and maintenance of the property was \$282,391.84.

This amount was expended as follows:

	Janitors	Fuel	Light	Care and Repairs	Total
School Buildings	\$89,035 39	\$27,205 70	\$18,487 94	\$78,031 99	\$212,761 02
Municipal Bldgs.	5,553 86	.....	1,566 73	4,780 43	11,901 02
Polling Places	.....	15.18	21 47	1,207 27	1,243 92
Police Buildings	2,941 78	534 02	1,442 66	2,034 66	6,953 12
Fire Buildings	.....	2,522 18	3,366 87	4,391 14	10,280 19
Electrical Bldgs.	1,274 71	401 44	98 10	498 74	2,272 99
Contagious Hospital	416 00	1,357 86	730 22	1,003 41	3,507 49
Sewer Buildings	.....	89 67	45 08	103 38	238 13
Sanitary Bldgs.	.....	.....	149 61	899 15	1,048 76
Highway Bldgs.	.....	1,278 70	247 72	682 34	2,208 76
City Home Bldgs.	.....	906 35	353 53	5,352 44	6,612 32
Central Library	3,908 42	708 48	1,571 99	1,238 15	7,427 04
West Br. Library	1,743 72	684 00	555 86	483 40	3,466 98
East Br. Library	1,457 71	382 65	290 51	844 98	2,975 85
Union Sq. Library	1,457 71	259 89	229 57	141 75	2,088 92
Park Buildings	.....	722 80	90 82	1,953 27	2,766 89
Bathhouse	1,641 84	.....	.....	1,040 57	2,682 41
Water Buildings	.....	368 41	352 36	884 38	1,605 15
Bandstand	.....	.....	.....	350 88	350 88
Total	\$109,431 14	\$37,437 33	\$29,601 04	\$105,922 33	\$282,391 84

Inspection of Buildings

The Commissioner of Public Buildings is also the inspector of buildings according to the terms of the charter and

as such during the past year has made over 3,000 formal inspections of buildings in the process of construction.

The following table shows the number of permits issued for building operations during the year 1929:

	WARDS							
Buildings	1	2	3	4	5	6	7	Totals
Dwellings	36	70	47	70	40	25	43	331
Dwellings & Stores....	1	1	1	2	....	1	....	6
Stores	4	12	8	2	3	8	2	39
Storage	2	7	....	....	1	1	....	11
Shops	2	....	....	1	....	1	....	4
Garages	13	22	16	29	25	13	31	149
Apartments .....	....	....	....	3	....	4	....	7
Manufactories	3	4	....	....	....	2	....	9
Stables	1	....	....	....	....	2	....	1
Sheds	4	8	....	2	2	....	....	16
Bakeries	1	2	1	....	3	....	....	7
Restaurants	1	....	....	....	1	1	....	3
Warehouses	1	1	....	....	....	....	....	2
Hen Houses	1	1	....	....	2	....	....	4
Filling Stations	2	3	1	2	3	....	....	11
Offices and Machine Shops	1	....	....	....	....	....	....	1
Shops	1	....	....	....	....	....	....	1
Hospitals .....	....	1	....	....	....	....	....	1
Launderies .....	....	3	....	....	....	....	....	3
Club Houses .....	....	....	1	1	....	....	....	2
Miscellaneous	1	3	5	1	....	3	....	13
Torn Down	4	7	4	2	2	3	....	22
Totals	78	146	84	115	82	62	76	643

	Wood	Fire-resisting	Totals
New Buildings	57	182	239
Alterations	339	43	382
Totals	396	225	621

	WARDS							
Buildings	1	2	3	4	5	6	7	Totals
Wood	45	99	50	76	50	33	42	395
Wood & Iron .....	....	1	....	....	....	1	....	2
Wood & Metal .....	....	1	....	....	1	....	....	2
Fireproofed Wood ...	....	1	....	....	....	....	....	1
Brick	7	8	9	3	3	10	2	42
Brick & Wood	3	4	5	3	1	2	....	18
Brick & Stone	1	....	....	1	....	1	....	3
Brick, Steel & Wood	....	2	1	....	....	....	....	3
Brick & Concrete.....	2	1	1	1	....	1	....	6
Brick Veneer	1	....	....	2	....	....	....	3
Brick and Cement Block .....	....	2	....	....	1	....	....	3

Buildings	WARDS							Totals
	1	2	3	4	5	6	7	
Cement Block	11	16	16	27	24	13	31	138
Cement Block and Steel .....	....	1	....	....	....	....	....	1
Concrete	3	2	1	....	1	1	....	8
Metal	4	8	1	2	1	....	....	16
Corrugated Iron	1	....	....	....	....	....	....	1
Stucco .....	....	....	....	....	....	....	1	1
Totals	78	146	84	115	82	62	76	643

The number of plumbing permits issued during 1929 was 284
 Number of permits for plumbing in new buildings 90
 Number of permits for plumbing in old buildings 194
 Number of buildings in which soil pipes were tested 220
 Fees collected for 284 plumbing permits amounted to \$464 00

The total estimated cost of new buildings and alterations during the year 1929 was \$3,086,154, while the estimated cost in 1928 was \$3,513,417.00, showing a decrease of \$427,263.00.

The total number of permits issued during the year 1929, viz 643, was 89 less than during the year 1928, when 732 permits for new buildings and alterations were issued.

There has been considerable speculative building of dwellings going on this year, or to be exact there were permits issued for 59 new dwellings housing 305 families.

On September 1, 1918 the Board of Aldermen of the City of Somerville passed an ordinance requiring a fee to be collected for every building permit issued by this department. In accordance with this, fees collected for buildings during the year 1929 amounted to \$1,604.00.

The Commissioner has under his charge and direction the work of maintenance and upkeep of the eighty-four public buildings of this City and the grounds in connection therewith, all janitors in the City's employ, a force of mechanics who perform the work of keeping all buildings in repair, the inspection of installation and care of all elevators, the supervision of construction of all new municipal buildings, the maintenance of the public bathing beach and public municipal baths in the Bennett and Bingham Schools, and Lincoln Park.

The various activities in connection with the department work require a vast amount of time and attention in order to keep the property in proper condition for occupancy.

Coal

As in the past years an invitation was sent out for bids for supplying the necessary tonnage of both Anthracite and

Bituminous coal for the city buildings for the Winter of 1929 and the Spring of 1930.

The contract for both Bituminous and Anthracite coal was awarded to the Commonwealth Fuel Company of Somerville.

The above firm furnished a chemical analysis of the coal which they agreed to supply. A sample from each delivery was sent to Arthur D. Little Company for analysis.

Elevators

According to an act of the legislature, the Building Commissioner is required to have every elevator in the city inspected yearly, and a report of the conditions and necessary repairs made to the Public Safety Department, State House, Boston.

Plans and specifications of all new installations of elevators must be filed in this office and certificates of approval granted by the Commissioner. There have been 7 elevators installed during the past year, and 131 elevator inspections made. 25 orders for repairs were sent out to owners covering 46 elevators.

School Buildings

The maintenance and care of the school buildings has, as formerly, demanded the most vigilant attention from this department and the appropriation made for that purpose I believe has been expended carefully and judiciously.

Every year, before the summer vacation arrives, this department sends out blanks to be filled in by both the principles and janitors of the school buildings for all requisitions and repairs needed.

These repairs and requests are taken up with the Superintendent of Schools, and taken care of in the order which he suggests so far as the appropriation will allow.

First are taken into consideration the requests and repairs absolutely needed for the opening of schools in the Fall.

Then the others are taken up in the order of their importance. This in itself is a huge task as the wants of every section must be taken into consideration.

Lighting of School Buildings

The care of the pupils' eyesight is one of the most necessary things to be taken into consideration, and the Commissioner has during the past year equipped the last of the grade schools with a complete lighting system of the most modern type at a cost of about \$1,683.

There is still one school, The Continuation School, that is not fully equipped with artificial lighting and the Commissioner hopes to be able to install a lighting system in this building during the coming year.

Fire Escapes

Somerville has unfortunately several three story school buildings of the older type with stairs running from a common hallway.

The Bell, Prescott, and Forster School buildings have been taken care of by enclosed fire stairways of non-combustible material, entirely separate from the building but accessible from each floor.

The Commissioner again recommends that the Morse, Highland and Edgerly Schools be immediately equipped with enclosed fire stairways.

School Yards

During the past year the Hanscom, Edgerly, Pope, Cutler, Forster and Bingham School yards have been fenced with modern six-foot chain wire fencing. This prevents the children, while at play, from running into roadway, thereby saving the possibility of accidents. It is the hope of the Commissioner to continue on this line and to erect several more such fences during the coming year.

There are several school yards that need resurfacing badly as they are very rough and this creates the danger of children being hurt while playing. The Burns, Carr, Hanscom,

Forster and Durell School yards have been resurfaced during the past year at a cost of \$4,724.43. The Commissioner hopes to resurface several more yards during the coming year.

As in past years an invitation was sent out for bids for the care of lawns at the various school buildings. The contract was awarded to William Kelleher, the lowest bidder. His bid was \$550.

Heating of Schools

Several boilers have been retubed and otherwise repaired during the past year.

The Commissioner recommends the installation of a new heating and ventilating system at the Cummings School to replace old furnaces now in use.

Every summer an internal inspection is made by the State Inspectors on every boiler, and recommendations for repairs made. Repairs are made during the summer vacation, the boilers reinspected and a certificate for operation granted. These certificates are hung in every boiler room. Besides this inspection there are three external inspections made while boiler is in use.

Painting, Etc.

It is the policy of the Commissioner to paint the exterior and interior of a number of school buildings each year so that all may be kept in fairly good repair. During the past year walls, ceilings and woodwork of the following buildings were thoroughly renovated: Edgerly, Southworth and Forster.

Exterior painting was done on the Northeastern Junior High, Bingham and Glines Schools.

High School Buildings

The new east wing of the High School plant has been completed during the past year and is now in use. It contains a complete household arts department and 30 school rooms. All rooms are equipped with latest type of modern furniture.

The new cafeteria has been completed with a kitchen containing all the most approved appliances and a seating capacity of about 1,000.

General Repairs

During the summer vacation all school toilets were painted, all kindergartens painted, 6,000 desk tops refinished, 3,000 chairs refinished.

Plaster repairs have been made in eighteen different schools.

Window cords replaced in 285 windows.

Plumbing repairs made in twelve school buildings.

Steam repairs were made in several school buildings.

One of the biggest items that this department has to contend with in school buildings is broken glass. During the past year this department spent \$2,500 replacing broken glass.

Roof repairs were made in several buildings. The Commissioner hopes to be able to renew the roofs on other buildings during the present year as these roofs are in such condition that leaks may be expected at any time.

The Commissioner hopes to be able to replace the plumbing fixtures in at least five of the older buildings during the coming year with more modern and sanitary fixtures.

During the summer vacation carpenters were busy in all school buildings repairing buildings and furniture.

The curtain contract was given to Fred D. Bigelow of Somerville, for the replacement of about 425 curtains for the sum of \$635.

Forty-five chairs were recaned by a blind citizen of Somerville.

Blackboards

Several of the buildings are equipped with paper blackboards, and the surfaces of same have to be renewed every

year at a cost of several hundred dollars. I would recommend that slate blackboards be installed in place of paper blackboards, as the slate boards last indefinitely and the saving on repairs would more than repay the cost of purchasing same.

Sprinklers

During the past year sprinkler systems have been installed in the basement of the High school.

It has been the experience of engineers checking up on fires that 90 per cent of fires start in basements, and we feel now that nineteen of our school buildings are adequately protected there being a sprinkler head to every 36 square feet.

The Commissioner hopes to do more of the school buildings the coming year.

The Buildings which now have the sprinkler systems in the basements are as follows:

Cutler School	Prescott School	Forster School
Highland School	Bennett School	Edgerly School
Bingham School	High School	Pope School
Morse School	Lincoln School	Knapp School
Cummings School	Burns School	Hodgkins School
Glines School	Brown School	Folsom Building
Carr School		

Fire Department Buildings

Hose 5 house has been renovated with new dormitories for men and a new kitchen installed. The entire interior has been painted. New electric lighting throughout.

Libraries

The elevator at the Central Library must be thoroughly overhauled during the coming year, and modern equipment installed.

A new roof must be put on the West Branch Library and the interior of the building refinished.

Sanitary Buildings

The incinerator building has been repaired throughout and incinerator rebuilt.

The Sanitary Stables have had new floors and all new stall bottoms put in. Garbage shed and office have been repaired.

Contagious Hospital

The hospital has been painted and varnished throughout, the beds and tables enameled. The Preventorium Camp attached to Contagious Hospital has been repaired, painted, and fixtures replaced so that the camp was ready for use June 1st.

City Home

Many repairs have been made to this building during the past year. The roof of house and barn have been reshingled. These buildings must be painted outside during the coming year.

Police Buildings

Cells have been renovated and painted, and several minor repairs made.

As this building is of antiquated design and wholly inadequate for the needs of the present force the Commissioner recommends that an early consideration of a modern station be contemplated.

Park Buildings

Numerous repairs have been made to these buildings during the past year, new toilets have been installed and repairs to shower baths, heating apparatus, electric light fixtures, and repairs in general.

Dilboy Field House must be enlarged and the Commissioner hopes that plans for same will be drawn during the coming year.

Excessive damage has been done to the Park Buildings owing to the rough element which collect about these buildings after they are closed at night. Doors and windows have been broke and forced, toilet fixtures ripped from the walls and broken, electric light fixtures destroyed and tile roofs badly damaged.

Bathhouse

The public bathhouse on the Mystic River on Shore Drive was opened and maintained as usual this year.

Building was repaired and exterior painted.

About 200 tons of sand were purchased for resanding the beach.

This particular recreation has been a great help to many mothers and children during the hot weather of the past season. It is a common sight to see mothers and children arriving at the beach as early as nine o'clock with lunches to spend the entire day. The attendance at the beach during the warm weather has sometimes exceeded 1,000 a day.

In General

The Building Commissioner has had the co-operation of all branches of the City Government, including His Honor, the Mayor, the honorable members of the Board of Aldermen and all the city officials, and desires to thank them for their kindly consideration.

Respectfully submitted,

JOHN H. KELLEY,

Commissioner of Public Buildings.

PUBLIC LIBRARY

BOARD OF TRUSTEES

THOMAS M. DURELL, M.D., President, 1931
J. FRANK WELLINGTON, Vice-President, 1932

WILLIAM L. BARBER, 1931	ALBERT L. HASKELL, 1931
FRANK R. NICKERSON, 1932	WILLIAM J. ENNIS, 1930
WILLIAM H. DOLBEN, 1930	GEORGE E. WHITAKER, 1930
FRANK M. BARNARD, 1932	

COMMITTEES

On Administration

The President, Messrs. Wellington, Haskell, Dolben and Nickerson

On Books and Cataloging

The President, Messrs. Barber, Barnard, Whitaker, and Ennis

On Buildings and Property

The President and the Vice-President

Secretary of the Board

GEORGE H. EVANS

REPORT OF THE TRUSTEES

To the Honorable, the Mayor, and the Board of Aldermen of
the City of Somerville:

Gentlemen: The fifty-seventh annual report of the Trustees of the Public Library is herewith respectfully submitted; being the report of the Librarian and tables of statistics of operation.

Very respectfully,

THE BOARD OF TRUSTEES,

By THOS. M. DURELL, *President*.

ORGANIZATION OF LIBRARY AND STAFF PERSONNEL**December 31, 1929**

GEORGE H. EVANS, Librarian
NELLIE M. WHIPPLE, Assistant Librarian
VIVIAN J. MORSE, Executive Assistant

Central Library and Librarian's Office
Highland Avenue and Walnut Street

GRADED SERVICE

(Department Heads and Special Positions)

CORA B. EAMES, Reference Librarian and Second Assistant
MABEL E. BUNKER, Chief Cataloger
MARY S. WOODMAN, Reviewer and Classifier
DOROTHY EMERSON KENNEDY,
Supervisor of Periodicals and Binding
MADELEINE R. BURRILL, School Librarian
MYRTLE NICHOLSON, Desk Chief
RUTH M. WOODMAN, Assistant Cataloger
..... Supervisor of Children's Work
MILDRED A. BOWLEY, Reference Assistant
ALICE HAMILTON BOYD, Children's Librarian

Senior Assistants

ESTELLE M. JONES, Circulation
RUTH H. EATON, Circulation
WINIFRED J. PEMBER, Circulation
ELEANORE FLYNN, Circulation
MARION H. HANFORD, Catalog Department
HELEN T. BLISH, Junior Library

Special Assistants

MARGARET M. COLLINS, Administration
UNETTA R. QUINN, Administration
EDYTHE T. REYNOLDS, Catalog

Ungraded Service

(Attendants on Part Time)

JAMES J. CARNEY SUMNER C. NOYES
ROBERT CLARK

WEST SOMERVILLE BRANCH

Established 1909

40 College Avenue

GRADED SERVICE

ESTHER M. MAYHEW, Branch Librarian

DOROTHY H. TERRY, First Assistant

BEATRICE M. KENNY, Children's Librarian

Senior Assistants

GERTRUDE REYNOLDS, Circulation

RUTH NOURBOURN, Circulation

KATHLEEN O'BRIEN, Circulation

Ungraded Service

(Attendants on Part Time)

DOLPHIE E. BERG

NORMAN KNOX

LESLIE LOCKMAN

DORIS F. GRAVES

DOROTHY VALENTINE

EAST SOMERVILLE BRANCH

Established 1912 Broadway and Illinois Ave.

GRADED SERVICE

ELSIE K. WELLS, Branch Librarian

ALICE J. UNDERWOOD, First Assistant

MARY B. BARTLETT, Children's Librarian

Senior Assistants

KATHRYN KENNY, Circulation

Ungraded Service

(Attendants on Part Time)

ANNIE D. FORBES

RUTH E. LARSON

KATHLEEN MARTIN

NATHALIE BLAIR

AUDREY LANGILL

UNION SQUARE BRANCH

Established 1912 Washington St. and Bonner Ave.

GRADED SERVICE

ALICE G. WORTHEN, Branch Librarian

ELSIE L. KNOX, First Assistant

MIRIAM L. ROWE, Children's Librarian

Senior Assistants

ALICE L. DELANEY, Circulation

EVELYN R. ROBINSON, Circulation

Ungraded Service

(Attendants on Part Time)

FRANK COYLE

ELEANOR M. MARTIN

WILLIAM J. PIGOTT

KATHLEEN SHEA

WINTER HILL STATION

Established 1929

424 Broadway

RUTH H. EATON, Assistant in Charge

Note: For changes in staff personnel during year see Librarian's Report.

REPORT OF THE LIBRARIAN

Gentlemen of the Board of Trustees:

The fifty-seventh annual report of the Somerville Public Library, being that for the year 1929, is herewith submitted.

A detailed statement of the work of the year will be found in Appendix A setting forth in statistical form the use and growth of the library. It is gratifying to report that our circulation, or recorded home loans, reached a new high total of 570,558. The increase over last year, 32, 089, is well distributed throughout the entire area of the city, with the East Somerville Branch making the best showing. The gain of the latter branch may to some extent be attributed to the registration of new borrowers from the newly occupied Ten Hills Farm district. 10,895 books have been added during the year, and 10,660 withdrawn, the total number in the library on December 31, 1929, being 129,210. The number withdrawn represents the normal wear and tear of one year's use plus some percentage of superannuation. The subject of book wear opens up almost endless possibilities for investigation. The aggregate wear of over a million trips to and from the library and the handling at home is of course large. To this must be added at least an equal amount within the library walls. The loss resulting from this enormous amount of handling is not excessive.

The long-known and frequently-expressed opinion of the residents of the Winter Hill section that they were entitled to a library service center that did not oblige them to walk down one long hill and up another to reach a library building, and then to repeat the process to get back home has at last prevailed. The Winter Hill Library Station has been experimentally established at 424 Broadway. It was opened March 18, 1929, with 643 attractive books upon its shelves. In the forty-one weeks of its operation with a very limited schedule it has registered 328 new borrowers and has lent for home use 11,667 volumes. The hours of opening at first were from 2:00 to 6:00 on Mondays, Wednesdays and Fridays. This was later increased by the addition of evening hours from 7:00 to 9:00 on Monday nights. The limited space available permits only loan service, and some reference work. The latter is greatly aided by our daily express interchange service which places the resources of the Central Library at the command of the inquirer. There is not sufficient space for periodical and general reading room service. There is no doubt that some of its patronage

is diverted from the Central Library, but on the other hand it affords great satisfaction to many parents who were reluctant to permit their children to go across traffic arteries to the Central Library.

During the experimental months of 1929 the housing costs were, by special arrangement with the Department of Public Buildings, met from the Central Library appropriation. These costs for 1930 and succeeding years will of course be included in the budget of the Public Buildings Department.

Readers may register a mental inquiry as to why we speak of the Winter Hill unit as a "Station", instead of a "Branch". The answer is that it does not satisfy the standards of a "Branch" with regard to equipment and service. A re-statement of these standards may not be amiss at this point.

The Eight Points of Branch Standard

1. Independent, separate budget and appropriation making the branch self-supporting.
2. Permanent, separate building entirely controlled by the Trustees for library purposes only.
3. Permanent collection of books with separate reference and children's collections.
4. Separate children's room.
5. Staff and work rooms.
6. Separate and permanent staff, the standard minimum force consisting of Branch Librarian, First Assistant, Children's Librarian, one or more Senior or Junior Assistants, and part time attendants as needed.
7. Open every week day and evening at least seven hours.
8. Daily express interchange service.

Inquiry will show that the foregoing are standards for cities of the first class. Even in the event of such an unfortunate calamity as the destruction of the Central Library by fire the branches could carry on uninterrupted service.

Station service similar to that at Winter Hill might well be established in the Spring Street section in the vicinity of St. Catherine's Church, and in the north end of the city in the neighborhood of the Cutler School.

Twenty years ago the West Somerville Branch moved into its new building on College Avenue. In the annual report for 1909 Dr. Edward C. Booth, President of the Board of Trustees, made a careful analysis of the population served accompanied by a street map showing the home location of every registered

user. As a visual exhibit of the distribution of branch service it was most interesting and informing. With due acknowledgments for the idea your present Librarian at the beginning of the year undertook to do the same thing for the entire city. A reproduction of the map is presented herewith.

Our citizens are enabled by this map to see exactly to what extent the library service covers the city. Each dot represents a borrower of books registered within two years. Each one is shown upon the map at approximately the actual location of his house number.

As may be inferred the compilation of the map was an exacting task requiring both patience and accuracy. At each of the four buildings a person was assigned to dot upon an engineer's map of the city the location of every borrower of books registered at that building within two years. The local maps having been completed they were each successively taken off upon the same sheet of transparent draughtman's linen, superimposed upon them, making finally a composite of the entire city. From this sheet as a negative it was possible to print an indefinite number of photographic reproductions.

The map shows a surprisingly even distribution of the 18,000 active, registered users. The scantier registration in the Ten Hills Farm section is due to its recent development, and during the year just finished new registration has already brought the density up to a fair normal.

The foregoing comments relating to expansion of service and to the map of distribution of registration lead logically to a brief survey of the branch service with respect to cost, distribution, and productiveness.

The total number of volumes added to the branches during the last ten years, 1920 to 1929, inclusive, has been: Union Square Branch, 15,515 volumes; West Somerville Branch, 13,167 volumes; East Somerville Branch, 10,399 volumes.

The following tabulations afford interesting data from which pertinent conclusions may be drawn.

Table I.
Cost of Operating Branches, 1929

A.—On the Basis of Budget Items

For each registered user of the branches the library has spent the following sums for the purposes named.

Budget Items	Amounts spent by each branch					
	Largest Expenditure		Second		Third	
Salaries	Union	\$2.18	East	\$2.05	West	\$1.42
Books, Periodicals, Music	East	.73	Union	.71	West	.62
Binding	Union	.19	East	.13	West	.10
Postage	Union	.04	East	.03	West	.02
Supplies	Union	.04	East	.04	West	.03
Printing	Union	.01	East	.01	West	.004
Express	East	.07	Union	.07	West	.04
Telephone	Union	.02	East	.02	West	.01
Other	East	.004	West	.001	Union	.00

B.—On the Basis of Registered Users

Total cost of service for each registered user	Union	\$3.26	East	\$3.11	West	\$2.25
--	-------	--------	------	--------	------	--------

C.—On the Basis of Books Lent

Total cost of service for each book lent	Union	\$.10	West	\$.10	East	\$.09
--	-------	--------	------	--------	------	--------

It will be seen that in Table I costs of maintenance are shown as related to three factors: namely, expenditure per registered user for each budget item, total expenditure for each user served and expenditure for each book lent.

Table I. A. shows that Union has had the most money per registered user to spend for budget items, East next, and West the least. Table I. B. shows that Union has had the most money to spend for the benefit of each registered user, East next, and West least. There is a significant margin between the extremes of this table, for Union has been able to expend 30% more for each registered user than West, and East 26% more than West. Table I. C. shows little difference between the branches in expenditure per book lent.

Table II.

Distribution of Employment Service Through Branches

Showing how the different sections of the city have fared in the division of library working hours.

Employees' time allotted to branches gives to each regis- tered user	Largest share of time	Second	Third
	Union, 4.2 hrs.	East, 3.8 hrs.	West, 2.7 hrs.

This table shows that the Union Square neighborhood has had devoted to its service considerably the largest number of paid hours of work for each library user, East the second largest, and West the smallest.

Table III

Returns In Circulation In Proportion To Expenditure

Number of books lent in each working hour	Best return	Second	Third
	East 9.3	West 8.3	Union 7.5

This table shows that for each working hour devoted to the branch patrons East produces the best return in books lent, West second best, and Union last.

Table IV.

Supply of Books In Proportion To Users

	Best book supply	Second	Third
Number of users for each new book	East 1.8	Union .2	West 2.6
Number of books in branch for each registered user	Union 3.5	East 3.4	West 3.3

This table shows that East and Union stand very closely together in their supply of new books per registered user, and that both have a slight advantage over West. It would probably be impossible to reach a fairer division of the purchases of a year.

Table V.
Per Capita Use of Books At Branches

Number of loans to each regis- tered user	Most frequent borrowers		Second		Third	
	East	35.9	Union	31.6	West	23

This table shows that the registered users of East come to the library most often to borrow books, Union's users next, and West's users least often.

The foregoing analysis shows clearly that in liberality of support Union stands an easy first, with East second, and West third. This is not an accidental condition. The administration recognizes that there are certain intangible social and economic factors that weigh heavily in the allotment of support to the two smaller branches. These factors can not be tabulated, yet they have an enormous influence upon the production of a reputable and intelligent citizenry which it is the mission of the library to promote.

The name of Dr. Edward C. Booth has already appeared in this report. Before the passing of the years shall have effectively obscured the eminence of his services to the library as a founder, a trustee and a benefactor, the Trustees have determined to insure the preservation of his memory. In pursuance of this resolve they have voted to name the first floor of the West Somerville Branch Library the Edward C. Booth Hall. They have further directed the Librarian to procure a life size portrait with a suitable inscription plate, and to hang it in the Edward C. Booth Hall so that the people of Somerville who benefit in no inconsiderable degree from his services and benefactions may be reminded of their indebtedness.

Dr. Booth was a lifelong resident of this city, and there are still many who remember him as a gentleman of the finest breeding and instincts. His dignified bearing joined to a kindly consideration for all with whom he came in contact, his courteous address, his innate modesty, his scholarly attainments, his love of his city all united to make him an outstanding figure in the community. Dr. Booth was a member of the original committee of three appointed by the High School Association in 1869 to confer with a similar committee appointed by the Selectmen to consider the establishment of a public library. When the library actually came into being in 1872 with the incorporation of the city Dr. Booth was elected to the first Board of Trustees, and became its Secretary. He was elected

President in 1906. In his will he made the library a legatee in a generous sum of money. Thus from 1869 until his death in 1925, a period of 54 years, he was in one capacity or another an active supporter and benefactor of the library. The West Somerville Branch was built during his administration as President of the Board of Trustees. He was deeply interested in its success. The permanent association of his name with a room in that building will be a peculiarly fitting memorial of his services.

The strikingly lifelike portrait of Dr. Booth that has been hung at the West Branch bears a plate with the following inscription.

DR. EDWARD C. BOOTH

A Founder, Trustee and Benefactor of the Somerville Public Library
In Appreciation of whose Services this Floor is Named
EDWARD C. BOOTH HALL
December 18, 1929

When the Central Library was built no provision was made for a public toilet. It is understood that unfortunate and offensive experiences in the former building influenced the building committee to omit the provision. To have, or not to have, such a convenience is a dilemma, and however such a question is decided the situation is always a fertile source of complaint. Fortunately there now appears an unusual opportunity for a solution of this ancient and unhappy problem.

The new central heating plant was designed to include the library in its service. When the connection is made the present library boiler room will be released for other uses. It is ideally adapted for conversion into a public toilet at relatively slight expense. There is ample room, it has a separate entrance, it is sufficiently isolated from the public rooms and is adjacent to the sewer connection. An additional advantage of this plan will be the elimination of soft coal smoke which has badly discolored our mural decorations.

I recommend that the Trustees communicate with the Department of Public Buildings calling attention to the need and to the opportunity that is now offered to meet it.

When the Central Library was opened in 1914 it was hailed as a model of administrative efficiency. It is quite remarkable how well it has stood the test of time. Of course a few weaknesses have developed. An outstanding lack is the

unexplainable omission of equipment for the Reference or Information Department. The very important work of this department has been carried on all these years with a makeshift combination of unmatched tables to supplement a cheap and inadequate desk. With the steady increase of the work of this department it is no longer possible to give proper service with the equipment handicap now existing. I therefore recommend that the Department of Public Buildings be asked to furnish a new desk adapted to the needs. Specifications of the type desired will be furnished the Public Buildings Department.

The original arrangement of book stacks around the sides of Wellington Hall reserved but a single alcove for the reference collection and its users. That accommodation was long ago outgrown, and expansion was accomplished by the moving of a stack. The time has come for another expansion. This is relatively simple, but while it is being done certain other protective measures should be taken further to safeguard our valuable reference works. Two superfluous passage-ways next to the walls should be closed, thereby sending all outgoing traffic by the control point of the reference desk. This principle of increased supervision should further be applied by placing one of the moved stacks between two of the pillars, blocking egress by that route, and this stack should be cut down to a three shelves height for uninterrupted vision. A requisition for this alteration will be sent to the Public Building Department.

The library acknowledges with gratitude the following contributions toward the establishment of the Winter Hill Station: from Trustee Frank M. Barnard the attractive and durable binding of 250 volumes; from Mr. Harold Glines free express service to and from the station three times a week from March 18 until the end of the year.

By the will of Mr. Thomas J. Buffum the library is named a legatee in the sum of \$2000. Mr. Buffum died on October 25, 1929. He was the father of former Trustee, Herbert E. Buffum, M.D. He was himself a trustee from 1876 to 1884, and in 1927 gave the Library \$1000 to establish the Buffum Memorial Book Fund.

The Trustees have approved the acceptance by the Librarian of the Presidency of the Massachusetts Library Club for the year 1929-30, and also the acceptance of its Treasurer-ship by the Executive Assistant, Miss Morse.

There have been fewer staff changes than usual during the year. E. Marion Akerley resigned as Children's Librarian at the West Somerville Branch. The following promotions have been made by examination under the provisions of the Scheme of Service: Beatrice M. Kenny from Senior Assistant to Children's Librarian at the West Somerville Branch, Winifred J. Pember, Helen T. Blish, Gertrude Reynolds, Ruth Nourbourn, Kathleen O'Brien, and Evelyn R. Robinson from Junior Assistants in the Third Grade to first year Senior Assistants in the Second Grade.

Eleanore Flynn was appointed Senior Assistant.

The appended statistics for the year 1929 are submitted as a part of this report.

Respectfully submitted,

Geo. H. Evans, *Librarian*.

The Public Library of the City of Somerville

APPENDIX A

Statistics of Use and Growth

Circulation

	Central	West	East	Union	Schools	Total
Volumes circulated, adult	130,039	85,298	60,824	52,966	324	329,451
Volumes circulated, juvenile	51,654	34,892	38,307	43,749	72,505	241,107
Total circulation (A. L. A. rules)	181,693	120,190	99,131	96,715	72,829	570,558

Accessions

	Central	West	East	Union	Total
Volumes in library, Dec. 31, 1928	91,820	17,077	9,502	10,576	128,975
Volumes added	5,458	1,930	1,490	1,502	10,380
Volumes transferred to	376	55	11	4	446
Volumes restored	57	3	7	2	69
Total additions	5,891	1,988	1,508	1,508	10,895
Volumes withdrawn	4,761	1,641	1,273	903	8,578
Volumes transferred from	260	5	147	34	446
Volumes lost	1,259	103	96	178	1,636
Total reductions	6,280	1,749	1,516	1,115	10,660
Net gain .....	.....	239	.....	393	235
Net loss	389	8

Volumes in library, Dec. 31, 1929	91,431	17,316	9,494	10,969	129,210
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Registration

	Central	West	East	Union	Total
Borrowers registered Dec. 31, 1928	7,273	5,068	2,750	2,869	17,960
Expirations in 1929	3,697	2,442	1,454	1,432	9,025
Registrations in 1929	3,999	2,582	1,465	1,618	9,664
Borrowers registered Dec. 31, 1929	7,575	5,208	2,701	3,055	18,599

Expenditures in Library Department

Per capita expenditure for library service	\$0.728	Expenditure per book lent	\$0.132
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Note: Winter Hill Station not to be separately tabulated until permanently established. For 1929 figures see preceding paragraphs.

APPENDIX B

American Library Association Form for Uniform Statistics

Annual report for year ended December 31, 1929

Name of library: The Public Library of the City of Somerville, Mass.

City: Somerville

State: Massachusetts

Name of librarian: George Hill Evans

Date of founding: 1872

Population served (latest estimate): 104,000

What government unit served: City

Assessed valuation of city: \$118,840,900.00

Assessed valuation is what per cent of true cash value:

True cash value

Rate of tax levy for library purposes: .76 of a mill

Terms of use: Free for lending

Free for reference

Total number of agencies 342

Consisting of Central library 1

Branches (in separate buildings) 3

Station 1

High School Department 1

School Rooms 331

Clubs 1

Institutions 4

Number of days open during year (Central library)..... 302

Hours open each week for lending (Central library) 72

Hours open each week for reading (Central library) 72

Hours service per week required of staff: Graded 41

Ungraded 39

BOOK STOCK

	Adult	Juvenile	Total
Number of volumes at beginning of year	106,172	22,803	128,975
Number of volumes added by purchase	5,807	4,350	10,157
Number of volumes added by gift or exchange	147	7	154
Number of volumes added by binding material not otherwise counted	66	3	69
Number of volumes added by lost books restored	35	34	69
Total	112,227	27,197	139,424
Number of volumes lost or withdrawn	6,270	3,944	10,214
Total number at end of year	105,957	23,253	129,210
Number of volumes in Reference Department			5,666
Number of volumes in Children's Department			23,253

MISCELLANEOUS STOCK

Number of newspapers and periodicals currently received:

Titles	252
Copies	596

Number of publications issued during year 9

USE

	Adult	Juvenile	Total
Number of volumes of non-fiction lent for home use	71,605	88,117	159,722
Number of volumes of fiction lent for home use	257,846	152,990	410,836
Total number of volumes lent for home use	329,451	241,107	570,558
Number of volumes lent through School Deposit collections	324	72,505	72,829
Per cent fiction lent of total volumes lent	78.2%	63.4%	72%
Circulation per capita			5.4

Number of pictures, photographs and prints lent for home use 2,405

REGISTRATION

	Adult	Juvenile	Total
Number of borrowers registered during year	4,989	4,675	9,664
Total number of registered borrowers	9,946	8,653	18,599
Registration period, years ..			2
Per cent registered borrowers of population served			17.8%

STAFF

	Library Service	Janitor Service
Number of individuals on payroll	53	6
Full time equivalent of above individuals.....	41	6

FINANCE**Receipts from**

Local taxation:

Library Department	\$69,085.71	
Public Buildings Department	16,580.00	
Invested funds	1,023.16	
Fines	2,806.49	
Other Sources (dog licenses)	2,717.80	
		\$92,213.16

Unexpended balance from previous year:

Invested funds	491.98	
Total	<u> </u>	\$92,705.14

Payments for

Maintenance

1. Library Operating Expenses

Librarians' salaries	\$49,968.82	
Books	15,994.91	
Periodicals	1,050.17	
Binding	3,571.00	
Supplies, stationery, printing, etc.	2,366.63	
Furniture, equipment, etc.	97.25	
Telephone, postage, freight, express ..	1,903.09	
Other items	702.46	
Total	<u> </u>	\$75,654.33

2. Building Operating Expenses

Janitors, mechanics, wages, etc.	\$9,677.30	
Cleaning supplies and equipment	168.82	
Building repairs and minor alterations ..	235.17	
Rent .....	.....
Heat and light	4,682.95	
Other items	1,164.55	
Total	<u> </u>	\$15,928.79
Total maintenance expense		\$91,583.12

Extraordinary Expenses

Unexpended Balance:

Library Appropriation	\$ 37.08	
Invested funds	433.73	
Public Buildings Appropriation	651.21	
	<u> </u>	1,122.02

Grand Total \$92,705.14

Maintenance expenditure per capita \$0.880

REPORT OF THE SEALER OF WEIGHTS AND MEASURES

Office of Sealer of Weights and Measures.

City Hall, Somerville, January 1, 1930.

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the Sealer of Weights and Measures for the year 1929 is respectfully submitted:—

Work of Weights and Measures Department for 1929

	Adjusted	Sealed	Not Sealed	Con- demned
Platform over 5000 capacity	51	.....	... ..
Platform under 5000 capacity	5	373	22	8
Counter	503	.....	9
Spring	735	7	39
Computing	563	6	5
Slot Personal Weighing	70	.....	7
Prescription	51	2	.....
Beam	12	2	.....
Weights				
Avoirdupois	43	3141	.....	6
Apothecary	737	.....	10
Metric	146	.....	.....
Capacity Measures				
Vehicle Tanks	4	.....	.....
Dry	18	.....	.....
Liquid	2073	14	30
Gasoline Pumps	1	293	11	.....
Oil Pumps	34	568	.....
Molasses Pumps	13	2	.....
Quantity measures on Pumps	1386	.....	.....
Yard Sticks	137	.....	4
Wood Baskets	11	.....	.....
Cloth Measuring Devices	5	.....	.....
Taxi Meters	27	.....	.....
Total	49	10383	634	118

Inspections other than sealing:

Number of scales and measures in stores	259
Number of Pedler's scales	19
Number of Junk scales	5
Number of Ice scales	5
Number of Gasoline devices	52
Number of Pedler's Licenses	37
Taxi Meters	25
Coal Certificates	3

Condemned for repairs or replacement on road:

Number of scales and measures inspected and C D	34
Number repaired or replaced and sealed	19
Number not reported ready for sealing	15

Condemned for repairs or replacement at office:

Number of scales and measures inspected and C D	21
Number repaired or replaced and sealed	17
Number not reported ready for sealing	4

Gasoline Station Tests:

Total number of calls	138
Number of different stations	109
Number of call backs to stations previously in spected	29
Total number of gallons of gas drawn for tests	5580
Average gallons of gas drawn per pump	17
Total number of pumps inspected	327
Number of pumps sealed	304
Number of pumps N S	23
Number of pumps C D .....	.....
Total number of oil pumps	593
Number of oil pumps sealed	25
Number of oil pumps non-sealed	568

Summary of tests and inspections:

	Total Number	Correct	Under	Over
Loaves of Bread	192	106	24	62
Packages of Butter	331	267	61	3
Coal in paper bags	33	30	3	.....
Coal in Transit	3	2	.....	1
Confectionery	48	48	.....	.....
Dry Commodity	798	569	211	18
Bags of Flour	171	56	75	40
Fruits and Vegetables	347	236	99	12
Meats and Provisions	312	202	98	12
Total	2235	1516	571	148

Other Inspections:

Marking of Food Packages	456
Marking of Bread	192
Paper or Fibre Cartons	65
Milk Jars	950
Wholesale Milk Cans	675
Metal Ice Cream Containers	350
Taxi Meters	3

Miscellaneous:

Complaints Investigated	4
Total Number Licenses Issued	260
Amount paid City Treasurer for Pedlers' Licenses ..	\$812.00
Amount paid City Treasurer as Sealing Fees	\$979.23

Applications inspected and signed for Special Licenses:

Special City Licenses	21
County	64
State	48
Disabled Veterans	6
Transfers	5
Total	<u>144</u>

There is great need of a public scale, centrally located, preferably in Union Sq. for the purpose of reweighing coal in transit, and other material which might come under the supervision of weights and Measures.

The great demand for fuel oil as a heating medium, has increased the work of the department in the last year as the vehicle tanks used in the distribution of the oil have to be calibrated in gallons, and these tanks hold anywhere from 200 to 2000 gallons.

B. S. ABBOTT,

Sealer of Weights and Measures.

REPORT OF THE SANITARY DEPARTMENT

January 31, 1930.

To the Honorable, the Mayor and Board of Aldermen of the

City of Somerville.

Gentlemen :

The report of the Sanitary Department for the year 1929 is respectfully submitted herewith.

Collections of Ashes and Refuse

	Loads	Yards	Tons
January	2,417	15,710½	7,251
February	1,921	12,486½	5,763
March	1,813	11,784½	5,439
April	1,784	11,596	5,352
May	1,950	12,675	5,850
June	1,272	8,268	3,816
July	1,200	7,800	3,600
August	1,440	9,360	4,320
September	1,222	7,943	3,666
October	1,724	11,206	5,172
November	1,611	10,471½	4,833
December	1,936	12,584	5,808
Totals	20,290	131,885	60,870

Collections of Paper

	Loads	Yards
January	372	3,096
February	301	2,494
March	308	2,552
April	301	2,494
May	378	3,132
June	301	2,494
July	301	2,494
August	385	3,190
September	294	2,436
October	378	3,132
November	287	2,378
December	333	2,766
Totals	3,939	32,658

Collections of Garbage

The total collections of Garbage amounted to 17,160 cords.

Table of Costs of Collection

	Total cost	Cost per capita
Ashes and Refuse	\$146,647 69	\$1 41
Paper	22,250 61	31
Garbage	48,050 00	46
	<hr/> \$226,948 30	<hr/> \$2 18

The above figures are approximate and are based on an estimated population of 104,000.

The paper and combustible materials have been disposed of at the Incinerator plant, the city receiving a revenue therefrom of \$400. per year.

The garbage has been collected by contract which provides for collection twice a week throughout the year.

The Coleman Ledge property off Mystic avenue is being used to dump non-combustible refuse and also by the Highway Department for disposal of its refuse.

The non-combustible materials are being collected principally with motor trucks on account of the distance to the Medford dumps which are being used by this department subject to the rules and regulations of the Board of Health of the City of Medford.

With a view towards the future facilities for dumping a contract was made during the year which will make available the Combination Park property and should take care of the requirements of the city for a period of possibly seven or eight years.

The conditions at Clarendon Hill which in the past caused considerable complaint have now been entirely eliminated.

The department as a whole I believe to be operating efficiently and with the co-operation of the citizens will endeavor

to carry on the work of collection with increasing satisfaction.

Respectfully submitted,

ELBRIDGE G. LAVENDER,

Supt. of Sanitary Dept.

REPORT OF BOARD OF APPEAL

January 29, 1930.

To the Honorable the Mayor and

Board of Aldermen of the City of Somerville.

Gentlemen :—

The Board of Appeal of the city of Somerville respectfully submits the following report of its activities during the year ending December 31, 1929.

The membership of the Board itself has remained unbroken during the year but we mention with sadness, the loss of our clerk Mr. Edwin Butler who passed away December 5, 1929. Mr. Butler had been clerk of the Board since its formation and had rendered valuable, efficient and pains-taking service. We feel that the city suffered a great loss in the taking away of Mr. Butler.

The number of meetings held during the year was twenty-eight (28.) At these meetings there were hearings to consider thirty-four (34) cases of appeal from the decision of the Commissioner of Public Buildings refusing to grant permits under the provisions of the Building Zone Ordinance, the Building Ordinance of 1927 and the Fire District Ordinance.

The Board has endeavored to conduct its hearings in an impartial manner and has given the appellants and the remonstrants a full opportunity to present all the facts and details regarding the appeal petitions. The Board, realizing the importance of its work, has endeavored to render fair, unbiased decisions in every case.

Nineteen (19) appeals has been granted, fourteen (14) appeals refused, and on one (1) appeal no action was necessary.

In addition to the regular members of the Board there are three Associate Members:

John W. Whitney, 44 Walnut street—1930
Warren A. Perry, 11 Evergreen avenue—1931
Harris Gordon, 169 Highland avenue—1932.

The authorization of the Associate membership was by act of the Massachusetts General Court on March 1, 1928 and by acceptance of the Board of Aldermen of the City of Somerville March 23, 1928.

The Board feels that the present method of calling the Associate Member for service can be improved and it would recommend that in case of need of service where any member of the Board will not be present that the Associate Member should be called by the Chairman.

After four years of careful observation, this Board, being conscious of the rapid changes both economic, social and other wise that has taken place in the city in consequence of the coming of the Northern Traffic Artery and other improvements, feels that it is obvious that a new survey of the zoning should be considered, and the Board so recommends it.

The Board of Appeal is an important department of the City's work. It has been delegated by statute with extraordinary power. It is, therefore, important that careful deliberation be given to the appeals of all appellants and that decisions be carefully made. The Board having this in mind has endeavored to so function that its decisions are fair to the appellant and for the best interests of the city.

Regarding the enforcement of the ordinances subsequent to the decisions of this Board we have no jurisdiction. This duty is entirely left with the Department of the Commissioner of Public Buildings. We have been embarrassed at times by the non-enforcement of our decisions but we could do nothing to correct the situation.

We therefore recommend that steps be taken by the Enforcing Department to furnish closer co-operation and to follow up the enforcement of all cases after decisions have been made.

The Board desires to report with gratification that absolute harmony and co-operation of its members has prevailed and we hope our services have been satisfactorily rendered and that our decisions have been fair to both appellant and remonstrant and for the best interest of the city.

Respectfully submitted,

FREDERICK J. WHITE, *Chairman*,
WALTER T. LITTLEFIELD, *Secretary*,
FREDERICK J. DREYER,
EUGENE A. F. BURTNETT,
FREDERICK A. DUTTON.

REPORT OF LICENSING COMMISSION

January 28, 1930.

To the Honorable the Mayor and the Board of
Aldermen of the City of Somerville.

Gentlemen:

The Licensing Commission respectfully submits the following report for the year ending December 31, 1929.

The Commission continues to follow its established policy in matters within its jurisdiction and is pleased to report satisfactory results thereby.

The efforts of the Commission have been supplemented by the assistance of the Chief Engineer of the Fire Department and other heads of departments in a most gratifying manner, which is deeply appreciated. The Commission further desires to express to Mayor Leon M. Conwell its sincere appreciation of the many courtesies extended by him.

Applications for Lord's Day Licenses will show a slight increase over last year, which is not inconsistent with the natural growth of the city.

Applications were received and acted upon by the Commission as follows:—

Garage Licenses

- 180 Applications received.
- 169 Licenses granted and issued.
- 9 Applicants given Leave to Withdraw.
- 2 Applications held over to 1930.

Lord's Day Licenses

- 301 Applications received.
- 271 Licenses granted and issued.
- 18 Applicants given Leave to withdraw.
- 1 Transfer of Location-Leave to withdraw.
- 10 Transfers of Location granted.
- 1 Transfer of Location held over to 1930.
- 1 Lord's Day License held over to 1930.

The fees for the above licenses granted and issued amounting to \$1,698.00 were paid over to the City Treasurer.

EUGENE M. CARMAN, *Chairman*,
WM. H. SMITH,
WM. J. SHANAHAN,

Licensing Commission.

Attest:

R. A. KEYES,
Secretary.

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